

Volume

#

R0365

INDEX DIAGRAM.

Township 9 South Range 17 E east
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6-161

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

, Chainman.

, Chainman.

Subscribed and sworn to before me this _____
day of _____, 19_____



We, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____
day of _____, 19_____



We, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

, Axman.

, Axman.

Subscribed and sworn to before me this _____
day of _____, 19_____



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 19_____



INDEX DIAGRAM.

Township 8 South, Range 17 East

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31 143 32 137 33 131 34 126 35 121 36 128					

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6-151

PRELIMINARY OATHS OF ASSISTANTS.

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do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey or

, Chainman

, Chainman

Subscribed and sworn to before me this _____
day of _____, 19_____



We, _____ and _____,

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey or

, Moundman

, Moundman

Subscribed and sworn to before me this _____
day of _____, 19_____



We, _____ and _____,

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey or

, Axman

, Axman

Subscribed and sworn to before me this _____
day of _____, 19_____



I, _____, do solemnly swear that I will well and truly perform the duties of flagmen according to instructions given me, to the best of my skill and ability, in the survey or

, Flagman

Subscribed and sworn to before me this _____
day of _____, 19_____



INDEX DIAGRAM.

Township 10 South, Range 18 E east

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6-161

PRELIMINARY OATHS OF ASSISTANTS.

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, Chainman.

, Chainman.

Subscribed and sworn to before me this _____
day of _____, 19 _____



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____
day of _____, 19 _____



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this _____
day of _____, 19 _____



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 19 _____



INDEX DIAGRAM.

Township 9 South, Range 18 East

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6-151

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

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_____, Chairman.

_____, Chairman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }

WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }

WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }

INDEX DIAGRAM.

Township 8 South, Range 18 East

6	5	4	3	2	1
7	8	9	10	11	12
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PRELIMINARY OATHS OF ASSISTANTS.

We, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

Frank G. Hamm, Chairman.
Carl W. Jones, Chairman.

Subscribed and sworn to before me this

day of , 19 }



We, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this

day of , 19 }



We, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this

day of , 19 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this

day of , 19 }



PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

*Frank Stans...
F. J. Law Jones*, Chairman.
, Chairman.

Subscribed and sworn to before me this _____

day of _____, 19_____


WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____

day of _____, 19_____


WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____

day of _____, 19_____


I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____

day of _____, 19_____


T. & S. R. E.

INDEX DIAGRAM.

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 Township 9 South, Range 19 East
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9	390	402	411	418	419			12
10	389	17	401	16	410	15	417	14
11	389	401	406	413	416			13
12	388	20	399	21	406 ⁷	22	414	23
13	388	397	398	408	409			24
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INDEX DIAGRAM.

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	446					
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PRELIMINARY OATHS OF ASSISTANTS.

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....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
 day of , 19 }



WE, and
 do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
 day of , 19 }



WE, and
 do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
 day of , 19 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
 day of , 19 }



4-679.

"S"FILED
FEB 20 1911

FIELD NOTES

OF THE SURVEY OF THE

E.A.S.T and N.O.R.T.H B.O.U.N.D.A.R.I.E.S.

or

TOWNSHIP NO. 9 SOUTH, RANGE NO. 17 EAST,

Of the Salt Lake Base and Meridian,
in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,
under his Contract No. 318, dated January 15, 1910
Survey commenced June 22, 1910
Survey completed June 24, 1910

6-161

East 6-00-00
Twp 6-78-31

. NAMES AND DUTIES OF ASSISTANTS.

_____. Granville A. Cooper, Chairman
_____. Thomas Callahan, "
_____. Thomas J. Garrod, Moundman
_____. Claude L. Heist, "
_____. John William Simpson, Axman
_____. Claude Hume, Flagman

For preliminary affidavits see book "B" T. 16 S., R. 14 E.

INDEX DIAGRAM.

Township 9. *south*, *Range* 17. *East*.

6	7	8	9	11	12
6	5	4	3	2	1 5
7	8	9	10	11	12 14
18	17	16	15	14	13 14
19	20	21	22	23	24 3
30	29	28	27	26	25 2
31	32	33	34	35	36 2

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6-151

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_____, Chainman.

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_____, Moundman.

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day of _____, 19_____



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_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 19_____



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 19_____



EAST BOUNDARY OF T.9 S., R.17 E.

CHAINS

Survey commenced, June 22, 1910, and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of Tps. 9 and 10 S., Rs. 17 and 18 E., heretofore described, in approximate latitude $39^{\circ}59'N.$, long., $109^{\circ}59'W.$, I set off $39^{\circ}59'N.$ on lat.arc, $23^{\circ}28'N.$ on decl.arc, and at 4h.02m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.N. of the cor.

June 22, 1910

June 23: At 1h.29m., a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs.N. of my station.

At 7 a.m., I lay off the azimuth of Polaris, $1^{\circ}32'$ to the west and mark the meridian thus determined, by cutting a small groove in the stone set June 22, on which the meridian falls 0.2 ins. east of the mark determined by the solar.

At 8h.02m., a.m., l.m.t., I set off $39^{\circ}59'N.$ on lat.arc, $23^{\circ}28'N.$ on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N. of my station; this mark falls 0.2 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0^{\circ}10''$ west and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

EAST BOUNDARY OF T.9 S., R.17 E.

CHAINS

The magnetic bearing of the true meridian at 8h.30m., a.m., is N.16°30'W., the angle thus determined gives the mag. decl. 16°30'E.

From the Tp.cor.already described, I run

North, bet.secs.31 and 36.

Gradual descent over rolling land, through sparse under-growth.

6.00 Wash, 75 lks.wide, 25 ft.deep, course NE.

40.00 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 36 on W. half, S 31 on E.half, dig pits, 18x18x12 ins., N.and S.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, W.of cor.

80.00 Set an iron post, 3 ft.long, 3 ins.dia., 24 ins.in the ground, for cor.of secs.25-30-31 and 36, marked on brass cap, T 9 S on N.half,

R 17 E S 25 in NE.,

R 18 E S 30 in NE.,

S 31 in SE.and S 36 in SW.quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft.dist., and raise a mound of earth, 4 ft.base, 2 ft.high, W.of cor.

Land, rolling.

Soil, loam, 2nd.rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

North,bet.secs.25 and 30.

Gradual descent over gently rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 25 on W. half, S 30 on E.half, dig pits, 18x18x12 ins., N.and S.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, W.of cor.

EAST BOUNDARY OF T.9 S., R.17 E.

CHAINS	
80.00	<p>Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 19-24-25 and 30, marked on brass cap, T 9 S on N. half, R 17 E S 24 in NW., R 18 E S 19 in NE., S 30 in SE. and S 25 in SW. quadrant, dig pits 18 x 18 x 12 ins. in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.</p> <p>Land, gently rolling.</p> <p>Soil, loam, 2nd. rate.</p> <p>No timber.</p> <p>Undergrowth, shad scale, sage brush and bunch grass.</p> <hr/> <p>North, bet. secs. 19 and 24.</p> <p>Gradual descent over gently rolling land, through sparse undergrowth.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 on W. half, S 19 on E. half, dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.</p>
80.00	<p>Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 13-18-19 and 24, marked on brass cap, T 9 S on N. half, R 17 E S 13 in NW., R 18 E S 18 in NE., S 19 in SE. and S 24 in SW. quadrant, dig pits, 18 x 18 x 12 ins. in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.</p> <p>Land, gently rolling.</p> <p>Soil, loam, 2nd. rate.</p> <p>No timber.</p> <p>Undergrowth, shad scale, sage brush and bunch grass.</p>

EAST BOUNDARY OF T. 9 S., R. 17 E.

CHAINS	
	North, bet. secs. 13 and 18. Gradual descent over gently rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 13 on W. half, S 18 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 7-12-13 and 18, marked on brass cap, T 9 S on N. half, R 17 E S 12 in NW., R 18 E S 7 in NE., S 18 in SE. and S 13 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, gently rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	North, bet. secs. 7 and 12. Gradual descent over gently rolling land, through sparse undergrowth.
14.50	Road from Green River to Pariette, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 12 on W. half, S 7 on E. half, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 1-6-7 and 12, marked on brass cap, T 9 S on N. half, R 17 E S 1 in NW.,

EAST BOUNDARY OF T.9 S., R.17 E.

CHAINS	
	R 18 E S 6 in NE., S 7 in SE. and S 12 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, gently rolling. Soil, sandy and rocky loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass. June 23: At this cor. I set off $23^{\circ}28'N$. on decl. arc, and at 12h. 02m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}03'N$.
40.00	North, bet. secs. 1 and 6. Gradual descent over gently rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 1 on W. half, S 6 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
50.16	Begin abrupt descent over broken and rocky land, bearing NE. and SW.
63.00	Enter hollow, 75 ft. deep, course NE.
67.75	Leave hollow.
68.50	Abrupt ascent over sandstone ledges, bearing NE. and SW. Sandstone spur, projects NE.
70.00	Abrupt descent.
70.00	Enter wide hollow, 75 ft. deep, course NE. Over level sandy land.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of Tps. 8 and 9 S., Rs. 17 and 18 E., marked on brass cap, T 8 S on N. half, T 9 S on S. half, R 17 E S 36 in NW., R 18 E S 31 in NE.,

EAST BOUNDARY OF T.9 S., R.17 E.

CHAINS

R 18 E S 6 in SE., and
 R 17 E S 1 in SW. quadrant, and raise a mound of stone,
 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
 Pits impracticable.
 Land, gently rolling, mountainous and level.
 Soil, loam, 2nd. rate, on 50.16 chs.
 balance, sandy and rocky, 3rd. and 4th. rate.
 No timber.
 Undergrowth, greasewood, shad scale, sage brush and bunch
 grass.
 Mountainous land on 15.09 chs.

NORTH BOUNDARY OF T.9 S., R.17 E.

From the cor. of Tps. 8 and 9 S., Rs. 17 and 18 E., I run
 West, on a random line along the north bdy. of T.9 S., R.
 17 E., setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of
 40.00 chs., and at 478.31 chs., fall 30 lks. N. of the cor.
 of Tps. 8 and 9 S., Rs. 16 and 17 E., heretofore described.
 The falling answers to a correction of $0^{\circ}02'$, or 5 lks.
 S. per mile, counting from the NE. cor. of the Tp.

June 23, 1910

June 24: At 8h. 02m., a.m., 1.m.t., I set off $40^{\circ}04' N.$ on lat.
 arc, $23^{\circ}27' N.$ on decl. arc, and determine a meridian with
 the solar at the cor. of Tps. 8 and 9 S., Rs. 16 and 17 E.,
 Thence I run

N. $89^{\circ}58' E.$, bet. secs. 6 and 31.

Ascend over rolling and rocky land.

5.00	Rocky spur, projects S.
	Descend.
15.50	Road from Pariette to Smith's Well, bears NE. and SW.
28.00	Hollow, 60 ft. deep, course NE.
	Ascend.
33.40	Rocky spur, projects N.

NORTH BOUNDARY OF T.9 S., R.17 E.

CHAINS	
	Descend.
38.31	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 31 on N. half, S 6 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
41.30	Hollow, 40 ft. deep, course N. Ascend.
51.50	Spur, projects NE. Descend over sandy land, through sparse undergrowth.
78.31	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 5-6-31 and 32, marked on brass cap, T 8 S S 31 in NW., R 17 E S 32 in NE., R 17 E S 5 in SE. and T 9 S S 6 in SW. quadrant, and raise a mound of stone, 2 ft. base; $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale and sage brush.
40.00	N. $89^{\circ}58'$ E., bet. secs. 5 and 32. Descend over rolling and sandy land, through sparse undergrowth. Set an iron post, 3 ft. long, 1 in. dia., in mound of stone and earth, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 32 on N. half, S 5 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Note: On account of natural obstacles it is impossible to set this post over 12 ins. in the ground. This cor. is set in swale, course NE.

NORTH BOUNDARY OF T. 9 S., R. 17 E.

CHAINS

- 50.00 Spur, projects N.
Descend.
- 62.60 Road from Pariette to Green River, bears NW. and SE. in
bottom of hollow, 50 ft. deep, course SE.
Ascend.
- 65.25 Gilsonite vein, 24 ins. wide, bears NW. and SE.
- 74.00 Spur, projects SE.
Descend.
- 80.00 Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the
ground, for cor. of secs. 4-5-32 and 33, marked on brass cap
T 8 S S 32 in NW.,
R 17 E S 33 in NE.,
R 17 E S 4 in SE.,
T 9 S S 5 in SW. quadrant, and raise a mound of stone,
2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor.
Pits impracticable.
From the cor. Castle Peak well, bears S. 53°20' E., 19.16 chs.
distant.
Land, rolling.
Soil, rocky and sandy, 3rd. rate.
No timber.
Undergrowth, sage brush and shad scale.
-
- N. 89°58' E., bet. secs. 4 and 33.
- Descend over rolling and rocky land, through sparse
undergrowth.
- 84.00 Hollow, 50 ft. deep, course S.
Ascend.
- 15.50 Spur, projects S.
Descend.
- 22.50 Hollow, 75 ft. deep, course SE.
Abrupt ascent.
- 30.00 Rocky spur, projects S.
Descend along rocky south slope.

NORTH BOUNDARY OF T. 9 S., R. 17 E.

CHAINS	
36.00	Top of perpendicular sandstone ledges, 50 ft. high, bearing NE. and SW.
36.75	Foot of ledges, bearing NE. and SW. Descend over rolling land.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 33 on N. half, S 4 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
63.50	Hollow, 50 ft. deep, course SE. Ascend.
70.00	Rocky spur, projects SE. Descend.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 3-4-33 and 34, marked on brass cap T 8 S S 33 in NW., R 17 E S 34 in NE., R 17 E S 3 in SE. and T 9 S S 4 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land rolling and mountainous. Soil, sandy and rocky, 3rd. and 4th. rate. No timber. Undergrowth, shad scale and sage brush. Mountainous land on 14.25 chs.
	N. $89^{\circ}58'$ E., bet. secs. 3 and 34.
	Descend over rolling and rocky land, through sparse undergrowth.
14.00	Hollow, 60 ft. deep, course S. Ascend.
16.50	Top of ridge, bears E. Along top of ridge.

NORTH BOUNDARY OF T. 9 S., R. 17 E.

CHAINS	
39.00	Leave ridge, bears NE. and W. Descend.
40.00	Set an iron post, $\frac{3}{4}$ ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 34 on N. half, S $\frac{3}{4}$ on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
43.00	Enter hollow, 60 ft. deep, course NE. Over level land.
64.00	Leave hollow. Begin ascent bears NE. and SW.
66.50	Spur, projects N. Descend.
71.00	Enter same hollow, course SE.
80.00	Set an iron post, $\frac{3}{4}$ ft. long, $\frac{3}{4}$ ins. dia., 24 ins. in the ground, for cor. of secs. 2-3-34 and 35, marked on brass cap T 8 S S 34 in NW., R 17 E S 35 in NE., R 17 E S 2 in SE., and T 9 S S $\frac{3}{4}$ in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling and level. Soil, rocky and sandy, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and greasewood. June 24: At this cor. I set off $23^{\circ}26'$ N. on decl. arc, and at 12h. 02m., p.m., l.m.t., observe the sun on the meridian. the resulting lat. is $40^{\circ}04'$ N.

NORTH BOUNDARY OF T.9 S., R.17 E.

CHAINS	
	N.89°58'E., bet. secs. 2 and 35.
	Over level land, in bottom of hollow, course SE., through sparse undergrowth.
11.00	Leave hollow.
	Begin ascent, bears NW. and SE.
18.00	Spur, projects S.
	Descend.
21.00	Hollow, 50 ft. deep, course S.
	Ascend.
22.50	Spur, projects S.
	Descend.
24.00	Hollow, 50 ft. deep, course S.
	Ascend.
25.25	Spur, projects S.
	Descend.
27.10	Hollow, 50 ft. deep, course S.
	Ascend.
30.40	Spur, projects S.
	Descend.
32.00	Foot of descent, bears NE. and SW.
	Over level land.
37.00	Begin ascent, bears NW. and SE.
40.00	On top of spur, projects S.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 35 on N. half, S 2 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
	Descend.
42.00	Hollow, 40 ft. deep, course S.
	Ascend.
44.10	Spur, projects S.
	Descend.
51.00	Foot of descent, bears NE. and SW.

NORTH BOUNDARY OF T. 9 S., R. 17 E.

CHAINS	LAND
	Over level land, along north side of bottom of wide hollow 75 ft. deep, course E.
68.00	Leave hollow.
	Begin ascent, bears NW. and SE.
72.00	Spur, projects S. Descend.
74.70	Hollow, 40 ft. deep, course S. Ascend.
75.85	Spur, projects S. Descend.
77.00	Head of hollow, course S. Ascend.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground for cor. of secs. 1-2-35 and 36, marked on brass cap T 8 S 35 in NW., R 17 E S 36 in NE., R 17 E S 1 in SE., and T 9 S 2 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. Land, level and rolling. Soil, rocky and sandy, 3rd. rate. No timber. Undergrowth; shad scale, sage brush and greasewood brush.
	S. 89° 58' E., bet. secs. 1 and 36.
0.75	Ascend over rocky land. Top of ascent, bears NW. and SE. Over level sandy land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, ¼ S 36 on N. half, S 1 on S. half, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.

NORTH BOUNDARY OF T.9 S., R.17 E.

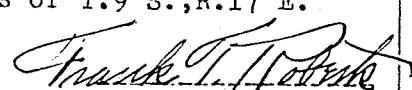
CHAINS	
55.00	Begin descent, bears NE. and SW.
57.00	Head of hollow, course SE.
	Ascend.
62.00	Spur, projects S.
	Descend.
63.00	Hollow, 30 ft. deep, course S.
	Ascend.
65.00	Spur, projects S.
	Descend.
66.00	Hollow, 40 ft. deep, course S.
	Ascend.
68.00	Spur, projects SE.
	Descend.
76.00	Enter hollow, course N.
	Over level land.
80.00	The cor. of Tps. 8 and 9 S., Rs. 17 and 18 E.
	Land, rolling and level.
	Soil, rocky and sandy, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and greasewood brush.

June 24, 1910

BOUNDARIES OF T.9 S., R.17 E.
Latitudes, departures and closing errors.

Line designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
v.	S.89°56' W.	479.07		Chs. 0.56	Chs. 479.07	
v.	North	480.00	480.00			
v.	N.89°58' E.	478.31	0.28		478.31	
v.	South	480.00		480.00		0.61
Emergency	Totals		480.28	480.56	478.92	479.07
	Error in lat. and dep.			480.28	478.92	0.15

For General Description see Subdivisions of T.9 S., R.17 E.



U.S. Deputy Surveyor

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**LIST OF NAMES.**

A list of the names of the individuals employed by
 United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of the survey of
 showing the respective capacities in which they acted:

....., *Chairman.*
 or list of names and final oath of assistants see book "Z" ³, *Chairman.*
 T. S. S., R. 18 E., *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted
 United States Deputy Surveyor, in surveying all
 those parts or portions of the

..... of the
 meridian, of which are represented
 the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 is been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 general for

....., *Chairman.*
, *Chairman.*
, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
, *Flagman.*

scribed and sworn to before me this }
 day of , 19 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 19_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final oath of deputy see book "Z" T. 9 S., R. 19 E. ³

_____ of the _____
meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 19_____
}



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 25, 1911.

The foregoing field notes of the survey of the East and North Boundaries of Township No. 9 South, Range No. 17 East of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts
under his contract No. 318, dated January 15, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank T. Roberts
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-079.

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FILED

FEB 20 1911

FIELD NOTES

OF THE SURVEY OF THE

S U B D I V I S I O N S

of

TOWNSHIP NO. 9 SOUTH, RANGE NO. 17 EAST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 518, dated January 15, 1910

Survey commenced June 25, 1910

Survey completed July 1st, 1910

6-21

53-74-63

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooper, Chairman
Thomas Callahan, " "
Thomas J. Garrod, Moundman
Claude L. Heist, " "
John William Simpson, Axman
Claude Hume, Flagman

For preliminary affidavits see book "C" T. 10 S., R. 14 E.

INDEX DIAGRAM.

Township 9 South, Range 17 East.

6	55	5	39	4	29	3	20	2	10	1
54		53		38		28		19		9
7	52	8	38	9	27	10	18	11	8	12
51		50		37		26		18		7
18	50	17	36	16	26	15	16	14	5	13
49		48		35		25		15		5
10	47	20	34	21	24	22	14	23	4	24
46		45		33		23		13		3
30	44		29	32	28	22	27	13	26	3
43		42		31		21		12		2
31	41		32	30	33	21	34	11	35	2
										2

Meanders Page

6-161

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }



SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS

Survey commenced June 25, 1910, and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of secs. 1-2-35 and 36, heretofore described on the S.bdy. of the Tp., in approximate lat. $39^{\circ}59'N.$, long. $110^{\circ}00'W.$, I set off $39^{\circ}59'N.$ on lat.arc, $23^{\circ}25'N.$ on decl. arc, and at 3h. 58m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.N. of the cor.

June 25, 1910

June 26: At 1h. 19m., a.m., l.m.t., I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs.N. of my station.

At 7 a.m., I lay off the azimuth of Polaris, $1^{\circ}32'$ to the west and mark the meridian thus determined, by cutting a small groove in the stone set June 26, on which the meridian falls 0.2 ins. east of the mark determined by the solar.

At 8h. 02m., a.m., I set off $39^{\circ}59'N.$ on lat.arc, $23^{\circ}24'N.$ on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N. of my station; this mark falls 0.2 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0^{\circ}10'W.$ and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h. 30m., a.m. is $N.16^{\circ}30'W.$, the angle thus determined gives the mag.

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS

decl. $16^{\circ}30' E.$

From the sec.cor.already described, I run

$N.0^{\circ}01' W.$, bet.secs.35 and 36.

Gradual descent over gently rolling land, through sparse undergrowth.

- 40.00 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4} S\ 35$ on W. half, $S\ 36$ on E.half, dig pits, 18x18x12 ins., N.and S.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, W.of cor.
- 80.00 Set an iron post, 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.25-26-35 and 36, marked on brass cap, T 9 S S 26 in NW., R 17 E S 25 in NE., S 36 in SE. and S 35 in SW.quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft.dist., and raise a mound of earth, 4 ft base, 2 ft.high, W.of cor.
- Land, gently rolling.
- Soil, loam, 2nd.rate.
- No timber.
- Undergrowth, shad scale, sage brush and bunch grass.
-
- 40.00 $N.89^{\circ}56' E.$, on a random line, bet.secs.25 and 36.
- Set temp. $\frac{1}{4}$ sec.cor.
- 80.18 Intersect E.bdy.of Tp., 3 lks.N.of the cor.of secs. 25-30-31 and 36, heretofore described.
- Thence I run
- $S.89^{\circ}57' W.$, on a true line,
- Bet.secs.25 and 36.
- Gradual descent over gently rolling land, through sparse undergrowth.
- 40.09 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4} S\ 25$ on N. half, $S\ 36$ on S.half, dig pits, 18x18x12 ins., E.and W.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base,

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	1½ ft. high, N. of cor.
80.18	The cor. of secs. 25-26-35 and 36. Land, gently rolling. Soil, loam, 2nd rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 0° 01' W., bet. secs. 25 and 26.
	Gradual descent over gently rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, ¼ S 26 on W. half, S 25 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base 1½ ft. high, W. of cor.
62.00	Wash, 300 lks. wide, 30 ft. deep, course NW.
75.00	Begin descent, bears NE. and SW.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 23-24-25 and 26, marked on brass cap, T 9 S 3 23 in NW., R 17 E 8 24 in NE., S 25 in SE. and S 26 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling. Soil, loam, 2nd rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 89° 57' E., on a random line, bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect E. bdy. of Tp., 5 lks. N. of the cor. of secs. 19-24-25 and 30, heretofore described. Thence I run S. 89° 59' W., on a true line;

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS

Bet. secs. 24 and 25.

Gradual descent over gently rolling land, through sparse undergrowth.

40.06 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 on N. half, S 25 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

77.00 Begin descent, bears NE. and SW.

80.12 The cor. of secs. 23-24-25 and 26.

Land, rolling.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

N. 0° 01' W., bet. secs. 23 and 24.

Descend over rolling land, through sparse undergrowth.

7.00 Enter bottom of hollow, 50 ft. deep, course NE.

12.00 Wash, 10 lks. wide, 5 ft. deep, course NE.

18.00 Leave hollow.

Ascend along east slope over rolling land.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 23 on W. half, S 24 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

30.03 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 13-14-23 and 24, marked on brass cap, T 9 S S 14 in NW.,

R 17 E S 13 in NE.,

S 24 in SE. and S 23 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, loam, 2nd. rate.

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	N. $89^{\circ}59' E.$, on a random line, bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect E. bdy. of Tp., 3 lks. N. of the cor. of secs. 13-18-19 and 24, heretofore described.
	Thence I run
	West, on a true line, bet. secs. 13 and 24.
	Gradual descent over gently rolling land, through sparse undergrowth.
40.03	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 13$ on N. half, S 24 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
63.00	Enter hollow, 50 ft. deep, course N.
66.00	Wash, 20 lks. wide, 5 ft. deep, course N.
68.00	Leave hollow.
	Ascend.
80.06	The cor. of secs. 13-14-23 and 24.
	Land, rolling.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	June 26: At this cor. I set off $23^{\circ}23' N.$ on decl. arc, and at 10h.. 02m., p.m., 1.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}02' N.$
	N. $0^{\circ}01' W.$, bet. secs. 13 and 14.
	Descend over rolling land, through sparse undergrowth.
25.00	Enter hollow, 50 ft. deep, course NE.
	Over level land.
37.00	Wash, 50 lks. wide, 4 ft. deep, course NE.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{2}$ S 14 on W. half, S 13 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
41.50	Leave hollow.
	Ascend.
45.00	Spur, projects NE.
	Descend.
52.00	Hollow, 60 ft. deep, course NE.
	Ascend.
64.00	Spur, projects NE.
	Descend.
69.00	Hollow, 75 ft. deep, course NE.
	Ascend.
71.00	Spur, projects NE.
	Descend over broken and rocky land.
79.90	Hollow, 75 ft. deep, course NE.
	Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor.of secs.11-12-13 and 14, marked on brass cap, T 9 S S 11 in NW., R 17 E S 12 in NE., S 13 in SE. and S 14 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling and level. Soil, loam, 2nd. rate on 71.00 chs. balance, rocky, 3rd.rate. No timber. Undergrowth, shad scale, sage brush, greasewood brush and bunch grass.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	East, on a random line, bet. secs. 12 and 13.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect E. bdy. of Tp., 3 lks. N. of the cor. of secs. 7-12-13 and 18, heretofore described.
	Thence I run
	N. $89^{\circ}59'W.$, on a true line,
	Bet. secs. 12 and 13.
	Gradual descent over gently rolling land, through sparse undergrowth.
39.37	Road from Pariette to Green River, bears NE. and SW.
40.02	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 12 on N. half, S 13 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.
43.25	Same road bears NW. and SE.
46.00	Enter bottom of hollow, 50 ft. deep, course NE.
	Over level land.
51.25	Wash, 50 lks. wide, 5 ft. deep, course NE.
60.50	Leave hollow,
	Ascend over rolling and rocky land.
72.00	Spur, projects NE.
	Descend.
79.80	Hollow, 75 ft. deep, course NE.
	Ascend.
80.04	The cor. of secs. 11-12-13 and 14.
	Land, rolling and level.
	Soil, loam, 2nd. rate on 60.50 chs.
	balance, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush, greasewood brush and bunch grass.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	N. 0° 01' W., bet. secs. 11 and 12.
	Ascend over sandy and rocky land, through sparse undergrowth.
1.00	Spur, projects NE.
	Descend.
8.00	Hollow, 40 ft. deep, course E.
	Ascend.
13.00	Top of ascent, bears E. and W.
	Over level land.
28.29	Road from Pariette to Green River, bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 11 on W. half, S 12 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
54.30	Begin descent, bears E. and W.
56.00	Hollow, 40 ft. deep, course NE.
	Ascend.
57.00	Spur, projects NE.
	Descend.
60.00	Hollow, 50 ft. deep, course NE.
	Ascend.
63.75	Spur, projects E.
	Descend.
65.00	Hollow, 70 ft. deep, course NW.
	Ascend.
70.00	Spur, projects W.
	Descend.
79.00	Same hollow, 75 ft. deep, course NE.
	Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 1-2-11 and 12, marked on brass cap T 9 S S 2 in NW., R 17 E S 1 in NE., S 12 in SE. and S 11 in SW. quadrant, and raise a mound of

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, rolling and level.
	Soil, loam, 2nd. rate on 41.30 chs.
	balance, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush, greasewood brush and bunch grass.
	S. 89° 59' E., on a random line, bet. secs. 1 and 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect E. bdy. of Tp., 3 lks. N. of the cor. of secs. 1-6-7 and 12, heretofore described.
	Thence I run
	N. 89° 58' W., on a true line,
	Bet. secs. 1 and 12.
	Gradual descent over gently rolling land, through sparse undergrowth..
22.00	Begin descent, bears NE. and SW.
25.00	Enter hollow, 60 ft. deep, course NE.
	Over level land.
32.00	Wash, 50 lks. wide, 5 ft. deep, course NE.
40.05	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 1 on N. half, S 12 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
	Leave hollow.
	Ascend over rolling and rocky land.
56.00	Spur. projects NE.
	Descend.
66.00	Hollow, 50 ft. deep, course NE.
	Ascend.
71.10	Spur, projects N.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	Descend.
78.75	Hollow, 50 ft. deep, course NE.
	Ascend.
80.10	The cor. of secs. 1-2-11 and 12.
	Land, rolling and level.
	Soil, loam, 2nd. rate, on 40.05 chs.
	balance, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush, greasewood brush and bunch grass.
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	N. 0° 01' W., on a random line, bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. bdy. of Tp., 5 lks. W. of the cor. of secs. 1-2-35 and 36, heretofore described.
	Thence I run
	S. 0° 01' W., on a true line,
	Bet. secs. 1 and 2.
	Descend over rocky and broken land.
5.00	Enter bottom of hollow, 75 ft. deep, course E.
	Over level land, through sparse undergrowth.
11.00	Leave hollow.
	Ascend over broken land.
40.04	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 2 on W. half, S 1 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
57.00	Ridge, bears NE. and SW.
	Descend.
73.00	Hollow, 50 ft. deep, course SE.
	Ascend.
74.50	Spur, projects E.
	Descend.
77.00	Hollow, 50 ft. deep, course NE.

SUBDIVISIONS OF T. 9 S. R. 17 E.

CHAINS	
	Ascend.
79.25	Spur, projects NE.
	Descend.
80.04	The cor. of secs. 1-2-11 and 12.
	Land, rolling and level.
	Soil, rocky and sandy, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush, greasewood brush and bunch grass.
	June 26, 1910
	June 27: At 8h. 03m., a.m., l.m.t., I set off $39^{\circ}59'N.$ on lat.arc, $23^{\circ}22'N.$ on decl.arc, and determine a meridian with the solar at the cor. of secs. 2-3-34 and 35, heretofore described on the S.bdy. of the Tp.
	Thence I run
	$N.0^{\circ}01'W.$, bet. secs. 34 and 35.
	Gradual descent over gently rolling land, through sparse undergrowth.
29.00	Begin descent, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4} S 34$ on W. half, $S 35$ on E. half, dig pits, 18x18x12 ins.. N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
58.50	Enter hollow, 75 ft. deep, course NE.
	Over level land.
60.00	Wash, 75 lks. wide, 8 ft. deep, course NE.
71.00	Leave hollow.
	Ascend.
76.00	Top of ascent, bears NE. and SW.
	Gradual descent over gently rolling land.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 26-27-34 and 35, marked on brass cap, $T 9 S S 27$ in NW., $R 17 E S 26$ in NE.,

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	S 35 in SE. and S 34 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor. Land, rolling and level. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. $89^{\circ}56' E.$, on a random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 25-26-35 and 36. Thence I run S. $89^{\circ}57' W.$, on a true line, Bet. secs. 26 and 35.
	Gradual descent over gently rolling land, through sparse undergrowth.
25.00	Wash, 25 lks. wide, 5 ft. deep, course NE.
40.01	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 26 on N. half, S 35 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
45.00	Begin descent, bears NE. and SW.
54.00	Enter hollow, 75 ft. deep, course NE. Over level land.
57.25	Wash, 25 lks. wide, 10 ft. deep, course NE.
66.00	Leave hollow. Ascend.
74.00	Top of ascent, bears NE. and SW. Gradual descent over gently rolling land.
80.02	The cor. of secs. 26-27-34 and 35. Land, rolling and level. Soil, loam, 2nd. rate. No timber.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS

Undergrowth, shad scale, sage brush and bunch grass.

N.0°01'W., bet. secs. 26 and 27.

Gradual descent over gently rolling land, through sparse undergrowth.

11.00 Wash, 100 lks. wide, 2 5ft. deep, course NE.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 27 on W. half, S 26 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 22-23-26 and 27, marked on brass cap, T 9 S 22 in NW.,

R 17 E S 23 in NE.,

S 26 in SE. and S 27 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Pits impracticable.

Land, rolling and level.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

N.89°57'E., on a random line, bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 23-24-25 and 26.

Thence I run

S.89°59'W., on a true line,

Bet. secs. 23 and 26.

Descend through sparse undergrowth.

4.00 Enter bottom of hollow, 70 ft. deep, course NE.

7.50 Wash, 25 lks. wide, 6 ft. deep, course NE.

10.50 Leave hollow.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	Ascend.
21.00	Top of ascent, bears NE. and SW.
	Gradual descent over gently rolling land,
40.02	Set an iron post, $\frac{3}{4}$ ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 23 on N. half, S 26 on S. half, dig pits, 18x18x12 ins., E. and W. of post, $\frac{3}{4}$ ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80.04	The cor. of secs. 22-23-26 and 27.
	Land, rolling and level.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

N. 0° 01' W., bet. secs. 22 and 23.

	Gradual descent over gently rolling land, through sparse undergrowth.
8.50	Enter hollow, 50 ft. deep, course NE.
	Over level land.
15.00	Wash, 25 lks. wide, 6 ft. deep, course NE.
20.00	Leave hollow.
	Gradual ascent.
40.00	Set an iron post, $\frac{3}{4}$ ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 22 on W. half, S 23 on E. half, dig pits, 18x18x12 ins., N. and S. of post, $\frac{3}{4}$ ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
49.00	Begin descent, bears E. and W.
60.00	Hollow, 50 ft. deep, course SE.
	Ascend.
67.00	Spur, projects E.
	Descend.
74.00	Enter bottom of hollow, 70 ft. deep, course SE.
80.00	Set an iron post, $\frac{3}{4}$ ft. long, 2 ins. dia., 24 ins. in the

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS

ground, for cor. of secs. 14-15-22 and 23, marked on brass cap, T 9 S S 15 in NW.,
 R 17 E S 14 in NE.,
 S 23 in SE. and S 22 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.
 Land, rolling and level.
 Soil, loam, 2nd. rate.
 No timber.
 Undergrowth, shad scale, sage brush, greasewood brush and bunch grass.
 June 27: At this cor. I set off $23^{\circ}21'N.$ on decl. arc, and at 0h.03m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}02'N.$

N. $89^{\circ}59'E.$, on a random line, bet. secs. 14 and 23.

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|-------|---|
| 40.00 | Set temp. $\frac{1}{4}$ sec. cor. |
| 80.06 | Intersect N. and S. line, 5 lks. N. of the cor. of secs. 13-14-23 and 24. |
| | Thence I run |
| | N. $89^{\circ}59'W.$, on a true line, |
| | Bet. secs. 14 and 23. |
| | Ascend over rolling land, through sparse undergrowth. |
| 6.00 | Spur, projects N. |
| | Descend. |
| 14.00 | Hollow, 50 ft. deep, course N. |
| | Ascend. |
| 20.00 | Spur, projects N. |
| | Descend. |
| 23.00 | Hollow, 40 ft. deep, course N. |
| | Ascend. |
| 32.50 | Spur, projects N. |
| | Descend. |
| 33.00 | Enter hollow, 75 ft. deep, course NE. |
| | Over level land. |

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
36.00	Wash, 100 lks. wide, 5 ft. deep, course NE.
40.03	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 14 on N. half, S 23 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
42.50	Leave hollow,
	Ascend over broken and rocky land.
47.00	Spur, projects S.
	Descend.
48.50	Hollow, 40 ft. deep, course S.
	Ascend.
50.40	Spur, projects S.
	Descend.
57.00	Enter bottom of hollow, 50 ft. deep, course SE.
	Over level land.
63.50	Leave hollow.
	Gradual ascent.
68.75	Begin gradual descent.
74.00	Enter hollow, 70 ft. deep, course SE.
	Over level land.
80.06	The cor. of secs. 14-15-22 and 23.
	Land, rolling and level.
	Soil, loam, 2nd. rate on 42.50 chs.
	balance, rocky and sandy, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush, greasewood brush and bunch grass.
	N. 0° 01' W., bet. secs. 14 and 15.
	In bottom of hollow, course SE., over level land, through sparse undergrowth.
3.25	Leave hollow.
	Begin gradual ascent, bears E. and W.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
35.50	Begin descent over broken and rocky land, bearing NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 15 on W. half, S 14 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
57.50	Hollow, 70 ft. deep, course NW. Ascend.
61.25	Spur, projects W. Descend.
65.50	Hollow, 75 ft. deep, course E. Ascend.
76.00	Top of ascent, bears NE. and SW. Gradual descent over gently rolling land.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 10-11-14 and 15, marked on brass cap T 9 S 8 10 in NW., R 17 E S 11 in NE., S 14 in SE. and S 15 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. Land, rolling and level. Soil, loam, 2nd. rate on 35.50 chs. balance, sandy and rocky, 3rd. rate. No. timber.
	Undergrowth, shad scale, sage brush, greasewood brush and bunch grass.
	S.89°59' E., on a random line, bet. secs. 11 and 14.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 11-12-13 and 14. Thence I run N.89°58' W., on a true line,

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	Bet. secs. 11 and 14.
	Ascend over rolling and rocky land, through sparse undergrowth.
4.00	Spur, projects NE.
	Descend.
22.00	Hollow, 75 ft. deep, course NE.
	Ascend along broken south slope.
40.05	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 on N. half, S 14 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
70.50	Top of ascent, bears NE. and SW.
	Begin gradual descent over gently rolling land.
80.10	The cor. of secs. 10-11-14 and 15.
	Land, rolling.
	Soil, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
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	N. 0°01' W., bet. secs. 10 and 11.
	Over rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10 on W. half, S 11 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
46.25	Road from Green River to Pariette, bears NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 2-3-10 and 11, marked on brass cap T 9 S S 3 in NW., R 17 E S 2 in NE., S 11 in SE. and S 10 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	4 ft. base, 12 ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, sandy, rocky and loam, 2nd. and 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	S. 89° 58' E., on a random line, bet. secs. 2 and 11.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 1-2-11 and 12. Thence I run N. 89° 59' W., on a true line, Bet. secs. 2 and 11. Ascend over sandy land, through sparse undergrowth.
1.25	Spur, projects NE. Descend.
9.75	Hollow, 50 ft. deep, course NE. Ascend over rolling land.
40.03	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 2 on N. half, S 11 on S. half, and raise a mound of stone, 2 ft. base 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
60.00	Begin descent over rolling land.
80.06	The cor. of secs. 2-3-10 and 11. Land, rolling. Soil, sandy, rocky and loam, 2nd. and 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 0° 01' W., on a random line, bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.01	Intersect N. bdy. of Tp., 7 lks. W. of the cor. of secs. 2-3-34 and 35, heretofore described.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS

Thence I run
S.0°02'W., on a true line,
Bet. secs. 2 and 3.
In bottom of hollow, course SE., over level and rocky land
through sparse undergrowth.

5.00 Leave hollow.
Ascend over broken and rocky land, bearing NW. and SE.

40.01 Ridge, bears E. and W.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 3 on W.
half, S 2 on E. half, dig pits, 18x18x12 ins., N. and S. of post
3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
high, W. of cor.
Descend.

43.00 Hollow, 40 ft. deep, course SE.
Ascend.

55.00 Spur, projects NE.
Descend.

57.00 Hollow, 40 ft. deep, course E.
Ascend.

60.00 Spur, projects E.
Descend.

74.00 Hollow, 50 ft. deep, course NE.
Ascend.

80.01 The cor. of secs. 2-3-10 and 11.
Land, rolling.
Soil, sandy and rocky, 3rd. rate.
No timber.
Undergrowth, shad scale, sage brush and bunch grass.

June 27, 1910

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	June 28,: At 8h.03m., a.m., l.m.t., I set off $39^{\circ}59'N.$ on lat. arc, $23^{\circ}20'N.$ on decl. arc, and determine a meridian with the solar at the cor. of secs. 3-4-33 and 34, heretofore described on the S.bdy. of the Tp.
	Thence I run N. $0^{\circ}02'W.$, bet. secs. 33 and 34.
	Descend over rolling and rocky land, through sparse undergrowth.
3.00	Hollow, 50 ft. deep, course E. Ascend.
25.60	Rocky spur, projects NE. Descend.
29.00	Hollow, 30 ft. deep, course NE. Ascend.
31.60	Rocky spur, projects NE. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 33 on W. half, S 34 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 27-28-33 and 34, marked on brass cap, T 9 S S 28 in NW., R 17 E S 27 in NE., S 34 in SE. and S 33 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, rolling.
	Soil, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, shad. scale, sage brush and bunch grass.

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	N. 89° 56' E., on a random line, bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 9 lks. N. of the cor. of secs. 26-27-34 and 35. Thence I run
	. West; on a true line, bet. secs. 27 and 34. Gradual descent over gently rolling land, through sparse undergrowth.
40.05	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 27 on N. half, S 34 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor..
52.00	Hollow, 50 ft. deep, course NE. Ascend.
80.10	The cor. of secs. 27-28-33 and 34. Land, rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 0° 02' W., bet. secs. 27 and 28. Gradual descent over gently rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 28 on W. half, S 27 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor..
54.40	Hollow, 50 ft. deep, course NE. Ascend.
80.00	Set an iron post, 3 ft. long, 2 in. dia., 24 ins. in the ground, for cor. of secs. 21-22-27 and 28, marked on brass cap, T 9 S S 21 in NW., R 17 E S 22 in NE.,

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	S 27 in SE. and S 28 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, rolling.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	East, on a random line, bet. secs. 22 and 27.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.14	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 22-23-26 and 27.
	Thence I run
	N. $89^{\circ}59'W.$, on a true line,
	Bet. secs. 22 and 27.
	Gradual descent over gently rolling land, through sparse undergrowth.
6.00	Enter hollow, 75 ft. deep, course NE.
	Over level land.
12.50	Wash, 25 lks. wide, 5 ft. deep, course NE.
21.00	Leave hollow.
	Gradual ascent over rolling land.
40.07	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 22 on N. half, S 27 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
80.14	The cor. of secs. 21-22-27 and 28.
	Land, rolling and level.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	N. 0°02' W., bet. secs. 21 and 22.
	Gradual descent over gently rolling land, through sparse undergrowth.
32.00	Hollow, 50 ft. deep, course NE.
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 on W. half, S 22 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
41.00	Spur, projects SE.
	Descend.
49.75	Hollow, 50 ft. deep, course SE.
	Ascend.
55.50	Spur, projects SE.
	Descend.
72.00	Hollow, 60 ft. deep, course SE.
	Ascend.
75.00	Spur, projects SE.
	Descend.
78.00	Hollow, 30 ft. deep, course SE.
	Ascend.
79.00	Top of ascent, bears E. and W.
	Over level land.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 15-16-21 and 22, marked on brass cap, T 9 S S 16 in NW., R 17 E S 15 in NE., S 22 in SE. and S 21 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Note: On account of natural obstacles, it is impossible to set this post over 12 ins. in the ground.
	Land, rolling.

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	Soil, sandy, rocky and loam, 2nd. and 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	S. $89^{\circ}59' E.$, on a random line, bet. secs. 15 and 22.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 14-15-22 and 23.
	Thence I run
	N. $89^{\circ}57' W.$, on a true line,
	Bet. secs. 15 and 22.
	Over level land in bottom of hollow, course SE., through sparse undergrowth.
14.00	Leave hollow.
	Gradual ascent over gently rolling land, bears NE. and SW.
40.10	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 15 on N. half, S 22 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
65.00	Begin descent, bears NW. and SE.
70.00	Hollow, 50 ft. deep, course SE.
	Ascend.
76.00	Top of ascent, bears NE. and SW.
	Over level land.
80.20	The cor. of secs. 15-16-21 and 22.
	Land, rolling.
	Soil, loam, sandy and rocky, 2nd. and 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	June 28: At this cor. I set off $23^{\circ}19' N.$ on decl. arc, and at Oh. 03m., p.m., 1.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}02' N.$

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	N.0°02'W., bet. secs. 15 and 16. Over level land, through sparse undergrowth.
9.00	Begin descent, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 16 on W. half, S 15 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
51.00	Hollow, 75 ft. deep, course NE.
	Ascend.
77.00	Ridge, bears NE. and SW.
	Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 9-10-15 and 16, marked on brass cap, T 9 S S 9 in NW., R 17 E S 10 in NE., S 15 in SE. and S 16 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, rolling and level.
	Soil, sandy, rocky and loam, 2nd. and 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	S.89°57'E., on a random line, bet. secs. 10 and 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.14	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 10-11-14 and 15.
	Thence I run
	N.89°58'W., on a true line,
	Bet. secs. 10 and 15.
	Gradual descent over gently rolling land, through sparse undergrowth.
40.07	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10 on N. half, S 15 on S. half, and raise a mound of stone, 2 ft.

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
76.00	Begin descent, bears NE. and SW.
80.14	The cor. of secs. 9-10-15 and 16. Land, rolling. Soil, sandy, gravelly and loam, 2nd. and 3rd. rate. No timber. Undergrowth, shad scale, sage brush, greasewood brush and bunch grass.
	N. $0^{\circ}02'W.$, bet. secs. 9 and 10.
	Descend over rolling and rocky land, through sparse undergrowth.
7.00	Hollow, 40 ft. deep, course NE.
	Ascend.
13.00	Spur, projects NE.
	Descend.
29.25	Hollow, 50 ft. deep, course NE.
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 9$ on W. half, S 10 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
54.00	Road from Green River to Pariente, bears NW. and SE.
54.55	Gilsonite vein, 24 ins. wide, bears NW. and SE.
56.60	Spur, projects E.
	Descend.
60.75	Hollow, 40 ft. deep, course E.
	Ascend.
62.00	Spur, projects E.
	Descend.
66.00	Hollow, 40 ft. deep, course E.
	Ascend.

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS

- 76.25 Top of ascent, bears E. and W.
Over level land.
- 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 3-4-9 and 10, marked on brass cap T 9 S S 4 in NW.,
R 17 E S 3 in NE.,
S 10 in SE. and S 9 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.
Land, rolling and level.
Soil, sandy, rocky and loam, 2nd. and 3rd. rate.
No timber.
Undergrowth, shad scale, sage brush and bunch grass.
-
- S. 89° 58' E., on a random line, bet. secs. 3 and 10.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.12 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 2-3-10 and 11.
Thence I run
- N. 89° 57' W., on a true line,
Bet. secs. 3 and 10.
Descend over rolling land, through sparse undergrowth.
- 11.00 Hollow, 50 ft. deep, course NE.
Ascend.
- 40.06 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 3 on N. half, S 10 on S. half, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
Pits impracticable.
- 60.00 Top of ascent, bears NE. and SW.
Over level land.
- 80.12 The cor. of secs. 3-4-9 and 10.
Land, rolling and level.
Soil, sandy, rocky and loam, 2nd. and 3rd. rate.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	N. 0° 02' W., on a random line, bet. secs. 3 and 4.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.88	Intersect N. bdy. of Tp., 19 lks. W. of the cor. of secs. 3-4-33 and 34, heretofore described.
	Thence I run
	S. 0° 06' W., on a true line,
	Bet. secs. 3 and 4.
	Descend over broken and rocky land.
5.50	Enter hollow, 75 ft. deep, course E.
	Over level land, through sparse undergrowth.
11.00	Leave hollow.
	Ascend over broken land.
24.00	Spur, projects NE.
	Descend.
35.00	Hollow, 50 ft. deep, course NE.
	Ascend.
39.88	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S. 4 on W. half, S 3 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
48.00	Top of ascent, bears NE. and SW.
	Over level land.
79.88	The cor. of secs. 3-4-9 and 10.
	Land, rolling and level.
	Soil, rocky and sandy, 3rd. rate on 48.00 chs. balance, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush, greasewood brush and bunch grass.

June 28, 1910

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	June 29: At 8h.03m., a.m., l.m.t., I set off $39^{\circ}59'N.$ on lat. arc, $23^{\circ}17'N.$ on decl. arc, and determine a meridian with the solar at the cor. of secs. 4-5-32 and 33, heretofore described on the S.bdy. of the Tp.
	Thence I run
	$N.0^{\circ}03'W.$, bet. secs. 32 and 33.
	Ascend over rocky and mountainous land, through sparse undergrowth.
2.50	Ridge, bears NE. and SW.
	Descend.
8.00	Hollow, 50 ft. deep; course NE.
	Ascend.
15.00	Spur, projects NE.
	Descend.
21.00	Hollow, 60 ft. deep, course NE.
	Ascend.
28.00	Spur, projects NE.
	Descend.
39.25	Hollow, 50 ft. deep, course NE.
	Ascend.
40.00	Set an iron post, $\frac{3}{4}$ ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4} S\ 32$ on W. half, $S\ 33$ on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
43.00	Spur, projects NE.
	Descend.
49.00	Hollow, 35 ft. deep, course NE.
	Ascend.
52.00	Spur, projects NE.
	Descend.
59.00	Hollow, 40 ft. deep, course NE.
	Ascend.
61.00	Spur, projects NE.
	Descend.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
65.00	Hollow, 45 ft. deep, course E. Ascend.
69.00	Ridge, bears NE. and SW. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins dia., 24 ins. in the ground, for cor. of secs. 28-29-32 and 33, marked on brass cap, T 9 S S 29 in NW., R 17 E S 28 in NE., S 33 in SE. and S 32 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable..
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	Mountainous land on 80.00 chs.
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	N. $89^{\circ}56' E.$, on a random line, bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect. N. and S. line, at the cor. of secs. 27-28-33 and 34. Thence I run S. $89^{\circ}56' W.$, on a true line, Bet. secs. 28 and 33.
	Gradual ascent over gently rolling land, through sparse undergrowth.
35.00	Spur, projects N.
	Descend, over rocky land.
37.00	Hollow, 50 ft. deep, course N. Ascend.
39.96	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 28 on N. half, S 33 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
42.00	Spur, projects N. Descend.
45.00	Hollow, 50 ft. deep, course N. Ascend.
51.70	Spur, projects N. Descend.
65.50	Hollow, 40 ft. deep, course N. Ascend.
71.00	Spur, projects N. Descend.
75.50	Hollow, 50 ft. deep, course NE.. Ascend.
79.92	The cor. of secs. 28-29-32 and 33. Land, rolling. Soil, loam, 2nd. rate on 35.00 chs. balance, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 0° 03' W., bet. secs. 28 and 29. Descend over rolling and rocky land, through sparse undergrowth.
6.00	Hollow, 60 ft. deep, course NE. Ascend.
12.00	Spur, projects NE. Descend.
20.00	Hollow, 75 ft. deep, course NE. Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on W. half, S 28 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
65.00	Ridge, bears E. and W.

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	Descend.
79.00	Hollow, 60 ft. deep, course NW.
	Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 20-21-28 and 29, marked on brass cap, T 9 S S 20 in NW., R 17 E S 21 in NE., S 28 in SE. and S 29 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable..
	Land, rolling.
	Soil, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
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	N. $89^{\circ}56'$ E., on a random line, bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line, 8 lks. N. of the cor. of secs. 21-22-27 and 28. Thence I run.
	S. $89^{\circ}59'$ W., on a true line, Bet. secs. 21 and 28.
	Ascend over rolling and rocky land, through sparse undergrowth.
20.00	Spur, projects NE.
	Descend.
39.98	In hollow, 50 ft. deep, course NE. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 21 on N. half, S 28 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
	Ascend.
45.00	Spur, projects N.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	Descend.
51.00	Hollow, 50 ft. deep, course NW.
	Ascend.
55.00	Spur, projects N.
	Descend.
56.25	Hollow, 60 ft. deep, course NE.
	Ascend.
65.50	Spur, projects NE.
	Descend.
71.00	Hollow, 70 ft. deep, course NW.
	Ascend.
75.00	Spur, projects NW.
	Descend.
79.96	The cor. of secs. 20-21-28 and 29.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
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	N. 0° 03' W., bet. secs. 20 and 21.
	Ascend over broken and rocky land, through sparse undergrowth.
4.50	Spur, projects NW.
	Descend.
28.00	Hollow, 75 ft. deep, course NE.
	Ascend.
37.50	Spur, projects NE.
	Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 20 on W. half, S 21 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
44.00	Hollow, 75 ft. deep, course SE.
	Ascend.

SURDIVISIONS OF T.9 S., R.17 E.

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CHAINS	
73.50	Ridge, bears NE. and SW. Descend.
80.00	Set an iron post, $\frac{3}{4}$ ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 16-17-20 and 21, marked on brass cap, T 9 S S 17 in NW., R 17 E S 16 in NE., S 21 in SE. and S 20 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass. June 29: At this cor. I set off $23^{\circ}16'$ N. on decl. arc, and at 0h.03m., p.m., L.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}02'$ N.
40.00	N. $89^{\circ}59'$ E., on a random line, bet. secs. 16 and 21. Set temp. $\frac{1}{2}$ sec. cor.
79.98	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 15-16-21 and 22. Thence I run
	N. $89^{\circ}59'$ W., on a true line, Bet. secs. 16 and 21.
22.00	Gradual descent over gently rolling land, through sparse undergrowth. Head of hollow, course S.
39.99	Gradual ascent. Set an iron post, $\frac{3}{4}$ ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 16 on N. half, S 21 on S. half, dig pits, 18x18x12 ins., E. and W. of post, $\frac{3}{4}$ ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
58.00	Ridge, bears NE. and SW. Descend.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
68.50	Head of hollow, course N.
	Ascend.
70.25	Spur, projects N.
	Descend.
74.00	Head of hollow, course NE.
	Ascend.
77.00	Spur, projects NE.
	Descend.
79.98	The cor. of secs. 16-17-20 and 21.
	Land, rolling.
	Soil, sandy, rocky and loam, 2nd. and 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
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	N. 0° 03' W., bet. secs. 16 and 17.
	Descend over rolling and rocky land, through sparse undergrowth.
1.50	Hollow, 75 ft. deep, course NE.
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 17 on W. half, S 16 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
44.00	Ridge, bears NE. and SW.
	Descend.
51.00	Hollow, 50 ft. deep, course NE.
	Ascend.
57.00	Spur, projects E.
	Descend.
60.50	Hollow, 40 ft. deep, course E.
	Ascend.
71.00	Top of ascent, bears NE. and SW.
	Over level land.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 8-9-16 and 17, marked on brass

SUBDIVISIONS OF T. 9 S., R. 17 E.

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CHAINS	<p>cap, T 9 S S 8 in NW., R 17 E S 9 in NE., S 16 in SE. and S 17 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling and level. Soil, sandy, rocky and loam, 2nd. and 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.</p>
	S. 89° 59' E., on a random line, bet. secs. 9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 9-10-15 and 16. Thence I run
	N. 89° 58' W., on a true line, Bet. secs. 9 and 16.
	Descend over rolling land, through sparse undergrowth.
39.97	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 9 on N. half, S 16 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.
44.00	Hollow, 35 ft. deep, course NE.
	Ascend.
52.00	Top of ascent, bears NE. and SW.
	Over level land.
79.94	The cor. of secs. 8-9-16 and 17. Land, rolling and level. Soil, sandy, rocky and loam. No timber. Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS

N.0°03'W., bet. secs. 8 and 9.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap; $\frac{1}{2}$ S 8 on W. half, S 9 on E. half, dig pits, 18x18x12 ins., N. and S. of post 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

51.95 Road, bears NE. and SW.

66.00 Begin descent, bears NE. and SW.

72.00 Hollow, 50 ft. deep, course NE.

Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 4-5-8 and 9, marked on brass cap, T 9 S S 5 in NW., R 17 E S 4 in NE., S 9 in SE. and S 8 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Note:

On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.

Land, level and rolling.

Soil, loam, 2nd. rate on 66.00 chs.

balance, sandy and rocky, 3rd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

S.89°58'W., on a random line, bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.88 Intersect N. and S. line, 16 lks. S. of the cor. of secs. 3-4-9 and 10.

Thence I run

S.89°55'W., on a true line,

Bet. secs. 4 and 9.

Over rolling land, through sparse undergrowth.

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
25.60	Gilsonite vein, 24 ins. wide, course NW. and SE.
27.10	Road from Green River to Pariette, bears NW. and SE.
39.94	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 4$ on N. half, S 9 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
45.46	Road, bears NE. and SW.
49.00	Begin descent, bears NE. and SW.
60.00	Hollow, 50 ft. deep, course NE. Ascend.
69.00	Spur, projects NE. Descend.
70.75	Hollow, 75 ft. deep, course NE. Ascend.
79.88	The cor. of secs. 4-5-8 and 9. Land, rolling. Soil, loam, 2nd. rate on 49.00 chs. balance, sandy and rocky, 3rd. rate. No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	N. 0° 03' W., on a random line, bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. bdy. of Tp., 5 lks. W. of the cor. of secs. 4-5-32 and 33; heretofore described. Thence I run S. 0° 01' E., on a true line,
	Bet. secs. 4 and 5. Ascend over rocky land, through sparse undergrowth.
3.00	Spur, projects SE. Descend.
6.50	Enter bottom of hollow, 75 ft. deep, course E. Over level land.
7.00	Road from Green River to Pariette, bears NW. and SE.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
10.00	Leave hollow.
	Abrupt ascent over rocky land.
12.50	Spur, projects E.
	Descend.
17.00	Hollow, 60 ft. deep, course NE.
	Ascend.
17.65	Gilsonite vein, 18 ins. wide, bears NW. and SE.
19.90	Spur, projects NE.
	Descend.
25.00	Enter hollow, 75 ft. deep, course NE.
30.00	Leave hollow.
	Ascend.
34.35	Spur, projects NE.
	Descend.
39.00	A rock house 15 ft. square, used by miners bears E. about 11.00 chs. dist.
40.04	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 5 on W. half, S 4 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
56.00	Hollow, 60 ft. deep, course NE.
	Ascend.
73.50	Spur, projects NE.
	Descend.
80.04	The cor. of secs. 4-5-8 and 9.
	Land, rolling.
	Soil, sandy and rocky, 3rd. and 4th. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

June 29, 1910

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS

June 30: At 8h.03m., a.m., l.m.t., I set off $39^{\circ}59'N$. on lat. arc, $23^{\circ}14'N$. on decl. arc, and determine a meridian with the solar at the cor. of secs. 5-6-31 and 32, heretofore described on the S.h.d.v. of the Tp. nos. 1000.

Thence I run
N. $0^{\circ}03'W$., bet. secs. 31 and 32.

10.00 Descend over rocky and mountainous land, through sparse undergrowth. 100 yds. down to hollow, 30 ft. deep, course NE.

1.75 Hollow, 50 ft. deep, course NE.

Ascend.

11.00 Ridge, bears NE. and SW.

Descend.

26.20 Hollow, 75 ft. deep, course NE.

Ascend.

31.50 Ridge, bears NE. and SW.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 31 on W. half, S 32 on E. half, and raise a mound of stone, 2 ft. base 1 $\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

40.25 Hollow, 50 ft. deep, course NE.

Ascend.

44.63 Spur, projects E.

Descend.

50.50 Same hollow, 75 ft. deep, course NW.

Ascend.

53.00 Spur, projects NW.

Descend.

59.25 Same hollow, 75 ft. deep, course NE.

Ascend.

67.55 Spur, projects E.

Descend.

72.00 Head of hollow, course E.

Ascend.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
78.00	Spur, projects NW. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 29-30-31 and 32, marked on brass cap, T 9 S S 30 in NW., R 17 E S 29 in NE., S 32 in SE. and S 31 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass. Mountainous land on 80.00 chs.
40.00	N. $89^{\circ}56'$ E., on a random line, bet. secs. 29 and 32.
80.06	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 5 lks. N. of the cor. of secs. 28-29-32 and 33. Thence I run
1.25	S. $89^{\circ}58'$ W., on a true line, bet. secs. 29 and 32. Ascend over rocky and mountainous land, through sparse undergrowth.
15.00	Spur, projects N. Descend.
24.00	Hollow, 50 ft. deep, course NE. Ascend.
28.00	Ridge, bears NE. and SW. Descend.
40.03	Hollow, 50 ft. deep, course NE. Ascend.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on N. half, S 32 on S. half, and raise a mound of stone, 2 ft. base,

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	1½ ft. high, N. of cor.
	Pits impracticable.
45.00	Spur, projects NE.
	Descend.
54.00	Hollow, 75 ft. deep, course NE.
	Ascend.
76.50	Spur, projects NE.
	Descend.
80.06	The cor. of secs. 29-30-31 and 32.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch.
	Mountainous land on 80.06 chs.
	S. 89° 56' W., on a random line, bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.86	Intersect W. bdy. of Tp., at the cor. of secs. 25-30-31 and 36, heretofore described.
	Thence I run
	N. 89° 56' E., on a true line,
	Bet. secs. 30 and 31.
	Ascend over rocky and mountainous land, through sparse undergrowth.
12.50	Spur, projects NE.
	Descend.
24.00	Hollow, 60 ft. deep, course NE.
	Ascend.
33.00	Spur, projects NE.
	Descend.
38.86	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 30 on N. half, S 31 on S. half, and raise a mound of stone, 2 ft. base 1½ ft. high, N. of cor.
	Pits impracticable.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS

- 40.00 Hollow, 75 ft. deep, course NE.
Ascend.
- 48.00 Ridge, bears NE. and SW.
Descend.
- 65.50 Hollow, 75 ft. deep, course NE.
Ascend.
- 78.86 The cor. of secs. 29-30-31 and 32.
Land, mountainous.
Soil, rocky, 3rd. rate.
No timber.
Undergrowth, shad scale, sage brush and bunch grass.
Mountainous land on 78.86 chs.
June 30: At this cor. I set off $23^{\circ}13'N.$ on decl. arc, and
at 10h. 03m., p.m., l.m.t., observe the sun on the meridian
the resulting lat. is $40^{\circ}00'N.$
-
- N. $0^{\circ}03'W.$, bet. secs. 29 and 30.
Descend over rocky and mountainous land, through sparse
undergrowth.
- 5.75 Hollow, 75 ft. deep, course NE.
Ascend.
- 16.00 Rocky spur, projects E.
Descend.
- 21.00 Hollow, 50 ft. deep, course E.
Ascend.
- 24.00 Spur, projects E.
Descend.
- 28.00 Hollow, 50 ft. deep, course NE.
Ascend.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4} S 30$ on W.
half, S 29 on E. half, dig pits, 18x18x12 ins., N. and S. of
post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
46.00	Ridge, bears NE. and SW. Descend.
65.00	Hollow, 75 ft. deep, course NE. Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 19-20-29 and 30, marked on brass cap, T 9 S S 19 in NW., R 17 E S 20 in NE., S 29 in SE. and S 30 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky, 3rd. rate. No timber.. Undergrowth, shad scale, sage brush and bunch grass. Mountainous land on 80.00 chs.
40.00	N. 89° 58' E., on a random line, bet. secs. 20 and 29. Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 20-21-28 and 29. Thence I run
	S. 89° 55' W., on a true line, Bet. secs. 20 and 29.
1.00	Descend over rolling and rocky land, through sparse undergrowth.
16.00	Hollow, 75 ft. deep, course NW. Ascend.
25.00	Spur, projects N. Descend.
38.00	Enter bottom of hollow, 75 ft. deep, course from W. to NE. Ascend in bottom of hollow.
40.01	Leave hollow, course from SW. to E. Ascend along broken south slope. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 20 on N. half, S 29 on S.half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N.of cor.. Pits impracticable.
80.02	The cor.of secs.19-20-29 and 30. Land, rolling. Soil, rocky, 3rd.rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	S.89°56'W., on a random line,betsecs.19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
78.74	Intersect W.bdy.of Tp., 7 lks.N.of the cor.of secs. 19-24-25 and 30, heretofore described. Thence I run N.89°53'E., on a true line, Bet.secs.19 and 30. Ascend over rolling and rocky land, through sparse undergrowth.
6.00	Ridge,bears NE.and SW. Descend.
15.00	Enter wide hollow, 75 ft.deep, course NE. Over nearly level land.
28.70	Wash, 20 lks.wide, 5 ft.deep, course NE.
38.74	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 19 on N. half, S 30 on S.half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.. Pits impracticable.
41.00	Leave hollow. Begin ascent.
43.00	Spur, projects NE. Descend.
45.00	Hollow, 40 ft.deep, course NE. Ascend.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	DESCRIPTION
51.00	Spur, projects N. Descend.
58.00	Hollow, 60 ft. deep, course NE. Ascend.
65.00	Ridge, bears NE. and SW. Descend.
78.74	The cor. of secs. 19-20-29 and 30. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 0°03' W., bet. secs. 19 and 20. Ascend over rolling and rocky land, through sparse undergrowth.
1.50	Ridge, bears NE. and SW. Descend.
10.00	Enter hollow, 75 ft. deep, course NE. Over level land.
15.25	Wash, 20 lbs. wide, 5 ft. deep, course NE.
25.00	Leave hollow. Ascend over broken land.
30.00	Ridge, bears NE. and SW. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 on W. half, S 20 on E. half, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
44.00	Enter bottom of hollow, 60 ft. deep, course NE. Over level land.
56.00	Wash, 10 lbs. wide, 5 ft. deep, course NE.
68.00	Leave hollow. Begin ascent over rolling land.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS

ground, for cor. of secs. 17-18-19 and 20, marked on brass cap, T 9 S S 18 in NW.,
 R 17 E S 17 in NE.,
 S 20 in SE. and S 19 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 Land, rolling and level.
 Soil, sandy and rocky, 3rd. rate.
 No timber.
 Undergrowth, shad scale, sage brush and bunch grass.

June 30, 1910

July 1: At 8h. 03m., a.m., l.m.t., I set off $40^{\circ}02'N.$ on lat. arc, $23^{\circ}10'N.$ on decl. arc, and determine a meridian with the solar at the cor. of secs. 17-18-19 and 20.

Thence I run

N. $89^{\circ}55'E.$, on a random line, bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line, 7 lks. S. of the cor. of secs.

16-17-20 and 21.

Thence I run

S. $89^{\circ}52'W.$, on a true line,

Bet. secs. 17 and 20.

Descend over rocky and rolling land, through sparse undergrowth.

1.75 Wash, 25 lks. wide, 3 ft. deep, in bottom of hollow, 75 ft. deep, course NE.

Ascend along rolling south slope.

40.01 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 17 on N. half, S 20 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

80.02 The cor. of secs. 17-18-19 and 20.

Land, rolling and level.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
40.00	S.89°53'W., on a random line, bet. secs. 18 and 19. Set temp. $\frac{1}{2}$ sec. cor.
78.66	Intersect W.bdy. of Tp., 5 lks.N. of the cor. of secs. 13-18-19 and 24, heretofore described. Thence I run N.89°51'E., on a true line, Bet. secs. 18 and 19.
5.00	Ascend over rolling and rocky land, through sparse undergrowth.
14.00	Spur, projects NE.
	Descend.
21.00	Hollow, 50 ft. deep, course NE.
	Ascend.
26.50	Spur, projects NE.
	Descend.
38.66	Hollow, 50 ft. deep, course NE.
	Ascend.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 18 on N. half, S 19 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
46.00	Ridge, bears NE. and SW.
	Descend along rolling south slope.
78.66	The cor. of secs. 17-18-19 and 20. Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	N. 0° 03' W., bet. secs. 17 and 18.
	Ascend over rolling and rocky land, through sparse undergrowth.
6.00	Ridge, bears NE. and SW.
	Descend.
15.00	Hollow, 50 ft. deep, course NE.
	Ascend.
20.00	Spur, projects E.
	Descend.
21.00	Hollow, 40 ft. deep, course E.
	Ascend.
30.00	Top of ascent, bears NE. and SW.
	Begin gradual descent over gently rolling land,
40.00	Set an iron post, $\frac{3}{4}$ ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 18 on W. half, S 17 on E. half, dig pits, 18x18x12 ins., N. and S. of post, $\frac{3}{4}$ ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
74.64	Road, bears NE. and SW.
80.00	Set an iron post, $\frac{3}{4}$ ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 7-8-17 and 18, marked on brass cap T 9 S 8 7 in NW., R 17 E S 8 in NE., S 17 in SE. and S 18 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, rolling.
	Soil, rocky, 3rd. rate on 30.00 chs.
	balance, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	<hr/>
	N. 89° 52' E., on a random line, bet. secs. 8 and 17.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
30.00	Intersect N. and S. line, 7 lbs. N. of the cor. of secs.

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	8-9-16 and 17. Thence I run S.89°55'W., on a true line, Bet. secs. 8 and 17. Gradual ascent over gently rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 8 on N. half, S 17 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
74.50	Road, bears NE. and SW.
80.00	The cor. of secs. 7-8-17 and 18. Land, rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	S.89°51'W., on a random line, bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.57	Intersect W. bdy. of Tp., 3 lks. S. of the cor. of secs. 7-12-13 and 18, heretofore described. Thence I run N.89°52'E., on a true line, Bet. secs. 7 and 18. Over rolling land, descend through sparse undergrowth.
38.57	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 7 on N. half, S 18 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
44.00	Hollow, 60 ft. deep, course NE. Ascend.
48.00	Ridge, bears NE. and SW. Descend.

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
78.57	<p>The cor. of secs. 7-8-17 and 18.</p> <p>Land, rolling.</p> <p>Soil, rocky, 3rd. rate on 48.00 chs.</p> <p>balance, loam, 2nd. rate.</p> <p>No timber.</p> <p>Undergrowth, shad scale, sage brush and bunch grass.</p> <p>July 1: At this cor. I set off $23^{\circ}09'N$. on decl. arc, and at $0h.03m.$, p.m., l.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}02'N$.</p> <hr/> <p>$N.0^{\circ}03'W.$, bet. secs. 7 and 8.</p> <p>Gradual ascent over rolling land, through sparse under-growth.</p>
27.00	Ridge, bears NE. and SW.
	Descend.
40.00	<p>Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 7 on W. half, S 8 on E. half, dig pits, 18x18x12 ins., N. and S. of post 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p>
64.30	Hollow, 50 ft. deep, course NW.
	Ascend.
70.00	Spur, projects W.
	Descend.
78.00	Hollow, 50 ft. deep, course NW.
	Ascend along west slope.
80.00	<p>Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 5-6-7 and 8, marked on brass cap, T 9 S S 6 in NW., R 17 E S 5 in NE., S 8 in SE. and S 7 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Pits impracticable.</p> <p>Land, rolling.</p> <p>Soil, loam, 2nd. rate.</p>

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
40.00	N. $89^{\circ}55'$ E., on a random line, bet. secs. 5 and 8. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 4-5-8 and 9.
	Thence I run S. $89^{\circ}56'$ W., on a true line, Bet. secs. 5 and 8.
	Ascend over rolling and rocky land, through sparse undergrowth.
7.00	Ridge, bears N. and S.
	Descend.
20.00	Hollow, 60 ft. deep, course NW.
	Ascend.
28.00	Spur, projects N.
	Descend.
32.00	Hollow, 50 ft. deep, course NW.
	Ascend.
38.00	Spur, projects N.
	Descend.
40.02	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 5 on N. half, S 8 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
43.00	Hollow, 60 ft. deep, course NE.
	Ascend.
52.50	Spur, projects NE.
	Descend.
63.50	Hollow, 40 ft. deep, course NE.
	Ascend.
65.70	Spur, projects N.
	Descend.
68.00	Hollow, 40 ft. deep, course NE.

SUBDIVISIONS OF T. 9 S., R. 17 E.

CHAINS	
	Ascend.
73.00	Spur, projects N.
	Descend.
80.04	The cor. of secs. 5-6-7 and 8. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	S. 89° 52' W., on a random line, bet. secs. 6 and 7. Set temp. $\frac{1}{4}$ sec. cor.
40.00	Intersect W. bdy. of Tp., 7 lks. S. of the cor. of secs. 1-6-7 and 12, heretofore described.
	Thence I run N. 89° 55' E., on a true line, Bet. secs. 6 and 7.
	Ascend over rocky land, through sparse undergrowth.
1.00	Rocky spur, projects N.
	Descend.
8.00	Hollow, 75 ft. deep, course NE.
	Ascend.
29.50	Ridge, bears NE. and SW.
	Descend.
38.50	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 6 on N. half, S 7 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
49.00	Hollow, 75 ft. deep, course NE.
	Ascend.
54.00	Spur, projects NE.
	Descend.
56.00	Hollow, 40 ft. deep, course N.
	Ascend.
58.00	Ridge, bears NE. and SW.

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	Descend.
65.00	Hollow, 60 ft. deep, course NE.
	Ascend.
71.00	Spur, projects NE.
	Descend.
75.50	Hollow, 75 ft. deep, course N.
	Ascend.
78.50	The cor. of secs. 5-6-7 and 8.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	N.0°03'W., on a random line, bet. secs. 5 and 6.
40.00	Set temn. $\frac{1}{2}$ sec.cor.
80.03	Intersect N.bdy. of Tp., 12 lks.W. of the cor. of secs. 5-6-31 and 32, heretofore described.
	Thence I run
	S.0°02'W., on a true line,
	Bet. secs. 5 and 6.
	Descend over rolling land, through sparse undergrowth.
36.00	Hollow, 60 ft. deep, course NE.
	Ascend.
40.03	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked on brass cap, $\frac{1}{2}$ S 6 on W. half, S 5 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
42.00	Spur, projects NE.
	Descend.
46.00	Hollow, 50 ft. deep, course E.
	Ascend.
49.00	Spur, projects E.
	Descend.
50.50	Hollow, 75 ft. deep, course NE.

SUBDIVISIONS OF T.9 S., R.17 E.

CHAINS	
	Ascend.
55.00	Spur, projects W.
	Descend.
56.50	Head of hollow, course W.
	Ascend.
61.00	Ridge, bears NE. and SW.
	Descend.
65.00	Head of hollow, course E.
	Ascend.
67.00	Spur, projects E.
	Descend.
73.00	Hollow, 75 ft. deep, course NE.
	Ascend along east slope.
80.03	The cor. of secs. 5-6-7 and 8.
	Land, rolling.
	Soil, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

July 1, 1910

GENERAL DESCRIPTION.

This township is gently rolling in the eastern portion with a loam soil, capable of producing crops with irrigation. The balance of the township is broken, rocky or mountainous and is unfit for agricultural purposes. There is no timber on this township, the surface being covered with a sparse growth of desert brush and bunch grass. The only water in the township is Castle Peak well in the NW $\frac{1}{4}$ of sec. 4, this well is about 15 ft. deep, and the water is pure. A gilsonite vein averaging about 24 ins. wide runs in a northwesterly direction through secs. 4, 5, 9 and 10, I

GENERAL DESCRIPTION OF T.9 S., R.17 E.

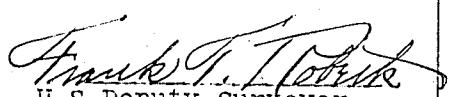
return these secs. as mineral in character.

This vein has been worked and is known as the Castle Peak vein, in the mining district of the same name.

There are no settlers in this township.

The rock house in the NW. $\frac{1}{4}$ of sec. 4 is used by miners.

Other than the gilsonite heretofore mentioned, there are no traces of oil, coal or minerals found in this township.


U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**LIST OF NAMES.**

A list of the names of the individuals employed by _____

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

FOR list of names and final oath of assistants see book "Z", ⁶ "Chainman."

T. 10 S., R. 19 E.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

....., United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

..... meridian, of which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 10 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the day of _____, 19_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z⁶" T. 10 S., R. 19 E.

of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 19_____. }

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 25, 1911

The foregoing field notes of the survey of the subdivisional lines of Township No. 9 South Range No. 17 East of the Salt Lake Base and Meridian, Utah

executed by _____, Frank T. Roberts
under his contract No. 318, dated January 15, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank T. Roberts
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-679.

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M.S.B.

FIELD NOTES

OF THE SURVEY OF THE

E.A.S.T. BOUNDARY

of

TOWNSHIP NO. 8 SOUTH, RANGE NO. 17 EAST,

Of the Salt Lake Base and Meridian,
in the state of Utah.

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 318, dated January 15, 1910

Survey commenced July 2, 1910

Survey completed July 3, 1910

6-161

258-25 ✓ 34-94 ✓

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooper, Chainman

Thomas Callahan, "

Thomas J. Garrod, Moundman

Claude L. Heist, "

John William Simpson, Axman

Claude Hume, Flagman

For preliminary affidavits see book "B" T. 10 S., R. 14 E.

INDEX DIAGRAM.

Township 8 South, Range 17 EAST,

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36 2

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

We, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 19 }



We, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 19 }



We, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 19 }



I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 19 }



EAST BOUNDARY OF T.8 S., R.17 E.

CHAINS

Survey commenced July 2, 1910, and executed with the instrument described in book "A", of this survey. I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of Tps. 8 and 9 S., Rs. 17 and 18 E., heretofore described in approximate lat. $40^{\circ}04'N.$, long. $109^{\circ}59'W.$, I set off $40^{\circ}04'N.$ on lat. arc, $23^{\circ}05'N.$ on decl. arc, and at 4h. 04m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor.

July 2, 1910

July 3: At 0h. 50m., a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 7 a.m., l. lay off the azimuth of Polaris, $1^{\circ}32'$ to the west, and mark the meridian thus determined, by cutting a small groove in the stone set July 2, on which the meridian falls 0.2 ins. east of the mark determined by the solar.

At 8h. 04m., a.m., l.m.t., I set off $40^{\circ}04'N.$ on lat. arc, $23^{\circ}02'N.$ on decl. arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.2 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $^{\circ}10'$ west and east of the meridian established by the Polaris, observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h. 30m., a.m. is $N.16^{\circ}30'W.$, the angle thus determined gives the mag.

EAST BOUNDARY OF T. 80 S., R. 17 E.

CHAINS	Pits impracticable. Land, level and rolling. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	North, bet. secs. 19 and 24. Descend over rolling and rocky land, through sparse undergrowth.
7.00	Hollow, 60 ft. deep, course W. Ascend.
22.50	Ridge, bears E. and W. Descend.
24.00	Head of hollow, course E. Ascend.
38.50	Ridge, bears E. and W. Descend over broken land.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 on W. half, S 19 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
58.25	Intersect S. bdy. of the Uintah Indian Reservation at 34.94 chs., S. $80^{\circ}46' E.$, from the 12th. Mile cor., which is a sandstone, 10x12x4 ins. above ground, marked and witnessed as described by the surveyor general. Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for closing cor. of fract. secs. 19 and 24, marked on brass cap, U I R CC on N. half, T 8 S on S. half, R 17 E S 24 in SW. and R 18 E S 19 in SE. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. Pits impracticable. Land, rolling.

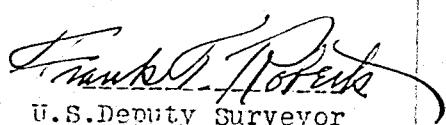
EAST BOUNDARY OF T.8 S., R.17 E.

EHAINS	Soil, rocky and sandy, 3rd.rate. No timber. Undergrowth, shad scale, sage brush and bunch grass. July 3: At this cor. I set off $23^{\circ}00' N.$ on decl. arc, and at Oh..04m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}07' N.$					

BOUNDARIES OF T.8 S., R.17 E.
Latitudes, departures and closing errors.

Line Designated	True Bearing	Distance	Latitudes N.	S.	Departures E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
W Bdy.	South	250.59		250.59		
S. Bdy.	$N.89^{\circ}58' E.$	478.31	0.28		478.31	
E. Bdy.	North	218.25	218.25			
S.Bdy.Uintah Indian Res.	$N.80^{\circ}16' W.$	34.94	5.91			34.44
	$N.80^{\circ}06' W.$	80.03	13.76			78.84
	$N.80^{\circ}20' W.$	80.35	13.49			79.21
	$S.89^{\circ}12' W.$	80.49		1.12		80.48
	$S.89^{\circ}22' W.$	80.26		0.89		80.26
	$N.89^{\circ}32' W.$	74.92	0.61			74.92
	$S.89^{\circ}52' W.$	50.03		0.12		50.03
Convergency					0.30	
	Totals,	252.30	252.72	478.31	478.48	
			252.30		478.31	
	Errors in lat. and dep.		0.42		0.17	

For General Description see Subdivisions of T.8 S., R.17 E.



Frank D. Roberts
U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**LIST OF NAMES.**

A list of the names of the individuals employed by

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

....., *Chairman.*
 For list of names and final oath of assistants see Book "Z³," *Chairman.*
 T. S. S., R. M. E., *Moundman.*
 , *Moundman.*
 , *Axman.*
 , *Axman.*
 , *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

....., United States Deputy Surveyor, in surveying all those parts or portions of the

....., of the,
 meridian, of which are represented
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for

....., *Chairman.*

....., *Chairman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

Subscribed and sworn to before me this

day of, 10 } }

○○○○○
○ SEAL ○
○○○○○

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 19_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z³" T. 9 S., R. 19 E.

_____ of the _____ meridian, in the _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 19_____ }

████████
O SEAL O
████████

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 25, 1911

The foregoing field notes of the survey of the East Boundary of Township No. 8 South, Range No. 17 East of the Salt Lake Base and Meridian, Utah,

executed by _____, Frank T. Roberts
under his contract No. 318, dated January 15, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Powers Hall
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONS

of

TOWNSHIP NO. 8 SOUTH, RANGE NO. 17 EAST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 318, dated January 15, 1910

Survey commenced July 3, 1910

Survey completed July 7, 1910

6-161

31-55-87 ✓ 2-15-74 ✓

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooper, Chainman

Thomas Callahan, "

Thomas J. Garrod, Moundman

Claude L. Heist, "

John William Simpson, Axman

Claude Hume, Flagman

or preliminary affidavits see book "C" T. 10 S., R. 14 E.

INDEX DIAGRAM.

Township 8 South
Range 17 East,

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
30	31	23	17	16	10
19	29	20	21	15	24
28	28	21	14	9	4
30	27	29	19	13	25
26	24	19	13	7	2
31	23	32	17	34	36
				6	35
				1	

Meanders Page _____

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooper, Chainman
Thomas Callahan, "
Thomas J. Garrod, Moundman
Claude L. Heist, "
John William Simpson, Axman
Claude Hume, Flagman

or preliminary affidavits see book "C" T. 10 S., R. 14 E.

INDEX DIAGRAM.

Township ~~34~~ South, ⁸ South, Range 17 East.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
30	31	23	17	11	10
19	29	20	21	15	24
28	28	21	14	9	14
30	27	29	19	13	25
26	24	19	13	7	2
31	23	32	17	33	36
				6	35
				1	

Meanders Page

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PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____
day of _____, 19 _____



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 19 _____



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 19 _____



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 19 _____



SUBDIVISIONS OF T.8 S., R.17 E.

-1-

CHAINS

Survey commenced July 3, 1910 and executed with the instrument described in book "A", of this survey. I know from recent observations made July 2 and 3, 1910 at the cor. of Tps. 8 and 9 S., Rs. 17 and 18, E., and recorded in book "U" of this survey, that the instrument is in adjustment.

I begin at the cor. of secs. 1-2-35 and 36, heretofore described on the S.bdy. of the Tp., and run N.0°01'W., bet. secs. 35 and 36.

Ascend over rocky land.

0.75 Top of ascent, bears NW. and SE.

Over level sandy land, through sparse undergrowth.

17.00 Begin descent, bears E. and W.

20.00 Hollow, 50 ft. deep, course NE.

Ascend.

22.00 Spur, projects E.

Descend.

27.00 Hollow, 75 ft. deep, course SE.

Abrupt ascent.

30.00 Top of ascent, bears NW. and SE.

Over level land.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 35 on W. half, S 36 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Begin abrupt ascent, bears E. and W.

57.00 Spur, projects E.

Descend.

60.25 Hollow, 50 ft. deep, course SW.

Ascend.

68.00 Ridge, bears E. and W.

Descend.

80.00 In hollow, 50 ft. deep, course NW.

SURDIVISIONS OF T.8 S., R.17 E.

CHAINS	
	Set an iron post, $\frac{3}{4}$ ft. long, $\frac{1}{2}$ ins. dia., 24 ins. in the ground, for cor. of secs. 25-26-35 and 36, marked on brass cap, T 8 S S 26 in NW., R 17 E S 25 in NE., S 36 in SE. and S 35 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
	Land, rolling and level. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. $89^{\circ}58'$ E., on a random line, bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
79.92	Intersect E. bdy. of Tp., 7 lks. N. of the cor. of secs. 25-30-31 and 36, heretofore described. Thence I run:
	N. $89^{\circ}59'$ W., on a true line, Bet. secs. 25 and 36. Descend over rolling and rocky land, through sparse undergrowth.
29.25	Hollow, 50 ft. deep, course NE.
	Ascend.
39.96	Set an iron post, $\frac{3}{4}$ ft. long, $\frac{1}{2}$ in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 25 on N. half, S 36 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
50.50	Spur, projects N.
	Descend.
58.00	Hollow, 50 ft. deep, course N.
	Ascend.
61.00	Spur, projects N.
	Descend.

SUBDIVISIONS OF T. 8 S., R. 17 E.

CHAINS	
64.50	Hollow, 50 ft. deep, course N. Ascend.
76.00	Ridge, bears N. and S. Descend.
79.92	The cor. of secs. 25-26-35 and 36. Land, rolling. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 0° 01' W., bet. secs. 25 and 26.
3.00	Ascend over rocky and mountainous land. Spur, projects NW.
	Descend.
4.75	Hollow, 50 ft. deep, course NW. Ascend.
12.00	Spur, projects NW. Descend.
23.00	Hollow, 75 ft. deep, course E. Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 26 on W. half, S 25 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
46.60	Spur, projects E. Descend.
62.00	Hollow, 75 ft. deep, course SE. Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 23-24-25 and 26, marked on brass cap, T 8 S S 23 in NW., R 17 E S 24 in NE., S 25 in SE. and S 26 in SW. quadrant, and raise a mound of

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	<p>stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky and sandy, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.</p> <hr/> <p>S. $89^{\circ}59' E.$, on a random line, bet. secs. 24 and 25.</p>
40.00	<p>Set temp. $\frac{1}{4}$ sec. cor.</p>
79.90	<p>Intersect E. bdy. of Tp., 3 lks. N. of the cor. of secs. 19-24-25 and 30, heretofore described. Thence I run N. $89^{\circ}58' W.$, on a true line, Bet. secs. 24 and 25.</p>
	<p>Descend over rolling and rocky land, through sparse undergrowth.</p>
22.00	<p>Hollow, 50 ft. deep, course SE.</p>
	<p>Ascend.</p>
39.95	<p>Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 on N. half, S 25 on S. half, dig pits, $18 \times 18 \times 1\frac{1}{2}$ ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p>
79.90	<p>The cor. of secs. 23-24-25 and 26. Land, rolling. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.</p> <hr/> <p>N. $0^{\circ}01' W.$, bet. secs. 23 and 24.</p>
	<p>Ascend over rolling and rocky land, through sparse undergrowth.</p>
3.50	<p>Spur, projects E. Descend.</p>

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
9.00	Hollow, 50 ft. deep, course E. Ascend.
12.00	Spur, projects NE. Descend.
17.00	Hollow, 50 ft. deep, course E. Ascend.
27.00	Spur, projects SE. Descend.
31.00	Hollow, 75 ft. deep, course SE. Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 23 on W. half, S 24 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
41.70	Ridge, bears NE. and SW. Descend.
53.10	Hollow, 75 ft. deep, course NE. Ascend.
54.25	Spur, projects NE. Descend.
72.01	Intersect S.bdy. of the Uintah Indian Reservation, at S.80°06' E., 33.90 chs., from the 13th. mile cor., which is a sandstone, 8x12x5 ins. above ground, marked and witnessed as described by the surveyor general. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 23 and 24, marked on brass cap, U I R CC on N. half, and S 23 S 24 T 8 S R 17 E on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. Pits impracticable. Land, rolling. Soil, rocky and sandy, 3rd. rate. No timber.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS

Undergrowth, shad scale, sage brush and bunch grass.

July 3, 1910

July 4: At 8h.04m., a.m., l.m.t., I set off $40^{\circ}04'N.$ on lat. arc, $22^{\circ}57'N.$ on decl. arc, and determine a meridian with the solar at the cor. of secs. 2-3-34 and 35, heretofore described on the S.bdy. of the Tp.

Thence I run

$N.0^{\circ}01'W.$, bet. secs. 34 and 35.

Over level land, in bottom of hollow, course S.E., through sparse undergrowth.

3.50 Leave hollow.

Begin ascent over broken and rocky land.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2} S\ 34$ on W. half, S 35 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

52.00 Begin abrupt ascent, bears E. and W.

59.85 Ridge, bears E. and W.

Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. dia. 24 ins. in the ground, for cor. of secs. 26-27-34 and 35, marked on brass cap, T 8 S S 27 in NW.,

R 17 E S 26 in NE.,

S 35 in SE. and S 34 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, level and rolling.

Soil, sandy and rocky, 3rd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
	N. $89^{\circ}58' E.$, on a random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. and S. line, at the cor. of secs. 25-26-35 and 36. Thence I run S. $89^{\circ}58' W.$, on a true line, Bet. secs. 26 and 35.
	Ascend over rolling and rocky land, through sparse undergrowth.
25.00	Spur, projects N.
	Descend.
39.97	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 26 on N. half, S 35 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
79.94	The cor. of secs. 26-27-34 and 35. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	 N. $0^{\circ}01' W.$, bet. secs. 26 and 27. Descend over rolling and rocky land, through sparse undergrowth.
6.50	Hollow, 75 ft. deep, course NE.
	Ascend.
21.00	Begin abrupt ascent, bears NE. and SW.
23.50	Spur, projects SW.
	Descend.
25.00	Hollow, 50 ft. deep, course SW.
	Ascend.
29.40	Spur, projects SW.
	Descend.
37.00	Head of hollow, course W.
	Ascend.

SUBDIVISIONS OF T.8 S., R17 E.

CHAINS	
38.00	Ridge, bears NW. and SE. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 27 on W. half, S 26 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
40.30	Head of hollow, course E. Ascend.
41.50	Spur, projects E. Descend.
48.00	Hollow, 50 ft. deep, course E. Ascend.
52.85	Spur, projects E. Descend.
69.00	Hollow, 75 ft. deep, course E. Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 22-23-26 and 27, marked on brass cap, T 8 S S 22 in NW., R 17 E S 23 in NE., S 26 in SE. and S 27 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. $89^{\circ}58'$ E., on a random line, bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.88	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 23-24-25 and 26. Thence I run

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
	West, on a true line, bet. secs. 23 and 26.
	Ascend over rolling and rocky land, through sparse undergrowth.
39.94	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 23 on N. half, S 26 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high, N. of cor.
41.00	Top of ascent, bears NE. and SW.
	Over level land.
71.00	Begin descent, bears NW. and SE.
79.88	The cor. of secs. 22-23-26 and 27.
	Land, rolling and level.
	Soil, rocky and sandy, 3rd. rate on 49.88 chs.
	balance, loam, 2nd. rate.
	No timber.
	Undergrowth, shade scale, sage brush and bunch grass.

	N. 0°01' W., bet. secs. 22 and 23.
	Ascend over rocky land, through sparse undergrowth.
8.00	Top of ascent, bears E. and W.
	Over level land.
17.00	Begin descent, bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 22 on W. half, S 23 on E. half, and raise a mound of stone, 2 ft. base 1 $\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
43.70	Hollow, 75 ft. deep, course NE.
	Ascend.
61.00	Top of ascent, bears NE. and SW.
	Over level land.
69.60	Begin descent, bears NE. and SW.
73.75	Hollow, 60 ft. deep, course NE.
	Ascend.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
78.00.	Spur, projects NE.. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 14-15-22, and 23, marked on brass cap, T 8 S S 15 in NW., R 17 E S 14 in NE., S 23 in SE. and S 22 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling and level. Soil, sandy and rocky, on 62.40 chs., loam, 2nd. rate on balance.
	No timber. Undergrowth, shad scale, sage brush and bunch grass.
	July 4: At this cor. I set off $22^{\circ}55'N.$ on decl. arc, and at 0h.04m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}07'N.$
	East, on a true line, bet. secs. 14 and 23. Descend over rolling land, through sparse undergrowth.
33.16	Intersect S.bdy. of the Uintah Indian Reservation, 13.32 chs., N. $80^{\circ}20'W.$, from the 13th. Mile cor., heretofore described. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of fract. secs. 14 and 23, marked on brass cap, U I R CC on NE. half, and S 14 S 23 T 8 S R 17 E on SW. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
4.50	N.0°01'W., bet. secs. 14 and 15. Descend over rolling land, through sparse undergrowth. Hollow, 50 ft. deep, course E. Ascend.
5.65	Intersect S.bdy. of the Uintah Indian Reservation, at 33.40 chs., S.80°20'E., from the 14th. Mile cor., which is a sandstone, 12x12x4 ins. above ground, marked and witnessed as described by the surveyor general. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 14 and 15, marked on brass cap, U I R CC on N. half, and S 14 S 15 T 8 S R 17 E on S. half, and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor. Pits impracticable. Land, rolling. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	July 4, 1910
22.00	July 5: At 8h. 04m., a.m., l.m.t., I set off 40°04'N. on lat. arc, 22°52'N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 3-4-33 and 34, heretofore descri- bed on the S.bdy. of the Tp. Thence I run
30.00	N.0°02'W., bet. secs. 33 and 34. Ascend over rolling and rocky land, through sparse undergrowth.
31.40	Ridge, bears E. and W. Descend.
40.00	Head of hollow, course NW. Ascend.
	Top of ascent, bears NW. and SE. Over level land. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the

SUBDIVISIONS OF T. 8 S., R. 17 E.

CHAINS	
	ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 33 on W. half, S 34 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
48.00	Begin descent, bears E. and W.
53.00	Hollow, 50 ft. deep, course NE.
	Ascend.
57.00	Spur, projects NE.
	Descend.
58.50	Hollow, 60 ft. deep, course NE.
	Ascend.
61.50	Spur, projects NE.
	Descend.
63.00	Hollow, 40 ft. deep, course E.
	Ascend.
66.00	Ridge, bears NE. and SW.
	Descend.
71.00	Hollow, 75 ft. deep, course NE.
	Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 27-28-33 and 34, marked on brass cap, T 8 S S 28 in NW., R 17 E S 27 in NE., S 34 in SE. and S 33 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, rolling and level.
	Soil, loam, 2nd. rate on 16:60 chs.
	balance, rocky and sandy, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.8.S., R.17 E.

CHAINS	
	N. $89^{\circ}58' E.$, on a random line, bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 26-27-34 and 35.
	Thence I run
	N. $89^{\circ}59' W.$, on a true line, bet. secs. 27 and 34.
	Descend over rolling land, through sparse undergrowth.
40.01	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 27$ on N. half, S 34 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
42.00	Hollow, 60 ft. deep, course NE.
	Ascend.
51.00	Spur, projects NE.
	Descend.
65.50	Hollow, 75 ft. deep, course NE.
	Ascend.
80.02	The cor. of secs. 27-28-33 and 34.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	<u>N.$0^{\circ}02' W.$, bet. secs. 27 and 28.</u>
	Ascend over rolling and rocky land, through sparse undergrowth.
26.00	Spur, projects E.
	Descend.
31.00	Hollow, 50 ft. deep, course E.
	Ascend.
33.00	Spur, projects E.
	Descend.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
40.00	Set an iron post, $\frac{3}{4}$ ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 28 on W. half, S. 27 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
42.00	Hollow, 75 ft. deep, course SE. Ascend.
57.00	Top of ascent, bears E. and W. Over level land.
80.00	Set an iron post, $\frac{3}{4}$ ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 21-22-27 and 28, marked on brass cap, T 8 S S 21 in NW., R 17 E S 22 in NE., S 27 in SE. and S 28 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling and level. Soil, sandy and rocky. 3rd. rate on 57.00 chs. balance, loam, 2nd. rate.
	No timber. Undergrowth, shad scale, sage brush and bunch grass.
40.00	S. $89^{\circ}59'$ E., on a random line, bet. secs. 22 and 27. Set temp. $\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 22-23-26 and 27. Thence I run, N. $89^{\circ}58'$ W., on a true line, Bet. secs. 22 and 27. Descend over rolling land, through sparse undergrowth.
40.00	Set an iron post, $\frac{3}{4}$ ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 22 on N. half, S 27 on S. half, dig pits, 18x18x12 ins., E. and W. of post, $\frac{3}{4}$ ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
	ft. high, N. of cor.
47.50	Hollow, 50 ft. deep, course SE.
	Ascend.
72.00	Top of ascent, bears NW. and SE.
	Over level land.
80.00	The cor. of secs. 21-22-27 and 28.
	Land, rolling and level.
	Soil, sandy and rocky, 3rd. rate on 72.00 chs.
	balance, loam, 2nd. rate.
	No timber.
	Undergrowth, sage brush, shad scale, and bunch grass.
	 N. 0°02' W., bet. secs. 21 and 22.
	Over level land, through sparse undergrowth.
3.00	Begin descent, bears NW. and SE.
4.25	Hollow, 50 ft. deep, course E.
	Ascend.
16.50	Spur, projects E.
	Descend.
18.50	Hollow, 50 ft. deep, course SE.
	Ascend.
21.00	Top of ascent, bears E. and W.
	Over level land.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 on W. half, S 22 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
62.00	Begin descent, bears NE. and SW.
67.25	Hollow, 50 ft. deep, course NE.
	Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 15-16-21 and 22, marked on brass cap, T 8 S S 16 in NW.,

SUBDIVISIONS OF T. 8 S., R. 17 E.

CHAINS	R 17 E S 15 in NE., S 22 in SE. and S 21 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level and rolling. Soil, loam, 2nd. rate on 44.00 chs. balance, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass. July 5: At this cor. I set off $22^{\circ}50' N.$ on decl. arc, and at Oh. 04 m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}07' N.$
40.00	S. $89^{\circ}58' E.$, on a random line, bet. secs. 15 and 22. Set temp. $\frac{1}{4}$ sec. com.
79.96	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 14-15-22 and 23. Thence I run
	N. $89^{\circ}57' W.$, on a true line, Bet. secs. 15 and 22.
29.00	Descend over rolling land, through sparse undergrowth. Hollow, 50 ft. deep, course NE. Ascend.
39.98	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 15 on N. half, S 22 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
79.96	The cor. of secs. 15-16-21 and 22. Land, rolling. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
	N.0°02'W., bet. secs. 15 and 16.
5.00	Ascend over rolling land, through sparse undergrowth. Ridge, bears NE. and SW.
	Descend.
10.59	Intersect S.bdy. of the Uintah Indian Reservation, at 33.38 chs., N.89°12'E., from the 15th.Mile cor., which is a sandstone, 15x10 x3 ins. above ground, marked and witnessed as described by the surveyor general. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 15 and 16, marked on brass cap, U I R CC on N. half, and S 15 S 16 T 8 S R 17 E on S. half, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor. Pits impracticable.
	Land, rolling.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

July 5, 1910.

July 6: At 8h. 04m. a.m., l.m.t., I set off 40°04'N. on lat.
arc, 22°46'N. on decl. arc, and determine a meridian with
the solar at the cor. of secs. 4-5-32 and 33, heretofore
described on the S.bdy. of the Tp.
Thence I run

	N.0°03'W., bet. secs. 32 and 33.
	Ascend over rolling and rocky land, through sparse undergrowth.
20.50	Ridge, bears NW. and SE.
	Descend.
24.00	Hollow, 50 ft. deep, course E.
	Ascend.
30.30	Spur, projects E.
	Descend.

SUBDIVISIONS OF T. 8 S., R. 17 E.

CHAINS	
40.00	In bottom of hollow, 75 ft. deep, course E. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for 1/2 sec. cor., marked $\frac{1}{4}$ S 32 on W. half, S 33 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Ascend.
45.00	Spur, projects E. Descend.
48.00	Hollow, 50 ft. deep, course E. Ascend.
54.50	Spur, projects E. Descend.
57.00	Hollow, 50 ft. deep, course E. Ascend.
65.00	Ridge, bears E. and W. Descend.
71.00	Hollow, 50 ft. deep, course E. Ascend.
76.00	Ridge, bears NE. and SW. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 28-29-32 and 33, marked on brass cap, T 8 S 29 in NW., R 17 E S 28 in NE., S 33 in SE. and S 32 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Note: On account of natural obstacles it is impossible to set this post over 12 ins. in the ground, Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T. 8 S., R. 17 E.

CHAINS	
40.00	N. $89^{\circ}58' E.$, on a random line, bet. secs. 28 and 33. Set temp. + sec. cor.
79.98	Intersect N. and S. line, 9 lks. S. of the cor. of secs. 27-28-33 and 34. Thence I run
	S. $89^{\circ}54' W.$, on a true line, Bet. secs. 28 and 33.
14.50	Ascend over rolling land, through sparse undergrowth. Spur, projects S.
	Descend.
17.00	Hollow, 75 ft. deep, course SE.
	Ascend.
38.50	Spur, projects N.
	Descend.
39.90	Hollow, 50 ft. deep, course NE.
	Ascend.
39.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 28 on N. half, S 33 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
79.25	Spur, projects N.
	Descend.
79.98	The cor. of secs. 28-29-32 and 33. Land, rolling. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. $0^{\circ}03' W.$, bet. secs. 28 and 29. Descend over rolling land, through sparse undergrowth.
7.00	Hollow, 75 ft. deep, course E.
	Ascend.
15.00	Spur, projects E.
	Descend.

SUBDIVISIONS OF T. 8 S., R. 17 E.

CHAINS	
19.00	Hollow, 50 ft. deep, course E. Ascend.
32.00	Begin abrupt ascent, bears NW. and SE.
37.55	Top of ascent, bears NW. and SE. Over level land.
39.00	Begin descent, bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on W. half, S 28 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
40.20	Head of hollow, course W. Ascend.
42.00	Top of ascent, bears E. and W. Over level land.
61.00	Begin descent, bears E. and W.
71.10	Hollow, 75 ft. deep, course E. Ascend.
78.00	Top of ascent, bears E. and W. Over level land.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 20-21-28 and 29, marked on brass cap, T 8 S S 20 in NW., R 17 E S 21 in NE., S 28 in SE. and S 29 in SW. quadrant, dig pits, 18x18x12 ins in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling and level. Soil, loam, 2nd. rate on 22.45 chs. balance, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
40.00	N. $89^{\circ}54' E.$, on a random line, bet. secs. 21 and 28. Set temp. $\frac{1}{2}$ sec. cor.
79.96	Intersect N. and S. line, 9 lks. S. of the cor. of secs. 21-22-27 and 28. Thence I run S. $89^{\circ}50' W.$, on a true line, Bet. secs. 21 and 28. Over level land, through sparse undergrowth. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 21 on N. half, S 28 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
79.96	The cor. of secs. 20-21-28 and 29. Land, level. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass. July 6: At this cor. I set off $22^{\circ}44' N.$ on decl. arc, and at $70^{\circ}04' W.$, p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}06' N.$
23.00	N. $00^{\circ}03' W.$, bet. secs. 20 and 21. Over level land, through sparse undergrowth. Begin descent, bears NE. and SW.
29.35	Hollow, 40 ft. deep, course NE.
35.00	Ascend. Top of ascent, bears NE. and SW.
40.00	Over level land. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 20 on W. half, S 21 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS

- 75.30 Road from Pariette to Pleasant Valley, bears NE. and SW.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the
ground, for cor. of secs. 16-17-20 and 21, marked on brass
cap, T 8 S 17 in NW.,
R 17 E S 16 in NE.,
S 21 in SE. and S 20 in SW. quadrant, dig pits, 18x18x12 ins.
in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft.
base, 2 ft. high, N. of cor.
Land, level and rolling.
Soil, loam, 2nd. rate.
No timber.
Undergrowth, shad scale, sage brush and bunch grass.
-
- N. $89^{\circ}50'$ E., on a random line, bet. secs. 16 and 21.
Set temp. $\frac{1}{2}$ sec. cor.
Intersect N. and S. line, 5 lks. S. of the cor. of secs.
15-16-21 and 22.
Thence I run a chain square from back, direct south,
S. $89^{\circ}48'$ W., on a true line,
Bet. secs. 16 and 21.
Over level land, through sparse undergrowth.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 16 on N.
half, S 21 on S. half; and raise a mound of stone, 2 ft. base
 $1\frac{1}{2}$ ft. high, N. of cor.
Pits impracticable.
- Road from Pariette to Pleasant Valley, bears NE. and SW.
The cor. of secs. 16-17-20 and 21.
Land, level.
Soil, loam, 2nd. rate.
No timber.
Undergrowth, shad scale, sage brush and bunch grass.

SURDIVISIONS OF T. 8 S., R. 17 E.

BOOK A-300B

CHAINS

N. 0°03' W., bet. secs. 16 and 17.

- Over level land, through sparse undergrowth.
- 10.03 Intersect S. bdy. of the Uintah Indian Reservation at 33°58' chs., N. 89°22' E., from the 16th. mile cor., which is a sandstone, 12x14x4 ins. above ground, marked and witnessed as described by the surveyor general.
- Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 16 and 17, marked on brass cap, U. I. R. CC on N. half,
- S 16 S 17 T 8 S R 17 W on S. half, dig pits, 24x18x12 ins. crosswise on each line, E. and W., 3 ft. and S. or post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.
- Land, level.
- Soil, loam, 2nd. rate.
- No timber.
- Undergrowth, shad scale, sage brush and bunch grass.

July 6, 1910

July 7: At 8h. 05m., n.m., l.m.t., I set off 40°04' N. on lat. arc, 22°40' W. on decl. arc, and determine a meridian with the solar at the cor. of secs. 5-6-31 and 32, heretofore described on the S. bdy. of the Tp.

Thence I run

N. 0°03' W., bet. secs. 31 and 32.

Descend over rolling land, through sparse undergrowth.

14.00 Hollow, 50 ft. deep, course E.

Ascend.

24.50 Begin abrupt ascent, bears E. and W..

27.00 Spur, projects E.

Descend.

36.00 Hollow, 70 ft. deep, course SE.

Abrupt ascent...

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for 1 sec. cor., marked on brass cap, + S 31 on W.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
	half, S 32 on E. half, and raise a mound of stone, 2 ft. base 1½ ft. high, W. of cor. Pits impracticable.
42.00	Top of ascent, bears NW. and SE. Over level land.
52.00	Begin abrupt descent, bears NW. and SE.
55.00	Foot of abrupt descent, bears NW. and SE. Descend over rolling land.
72.16	Gilsonite vein, 36 ins. wide, bears N. 35° 20' W. and S. 35° 20' E.
76.60	Road from Green River to Pariette, bears NW. and SE.
80.00	In wide hollow, 75 ft. deep, course E. Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 29-30-31 and 32, marked on brass cap, T 8 S 30 in NW., R 17 E S 29 in NE., S 32 in SW. and S 31 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Note: On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.
	Land, rolling and level. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad. scale, sage brush and bunch grass.
	N. 89° 58' E., on a random line, bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 28-29-32 and 33. Thence I run
	S. 89° 55' W., on a true line, Bet. secs. 29 and 32..
	Descend over rolling and rocky land, through sparse under- growth.

SUBDIVISIONS OF T.8 S., R.17 W.

CHAINS	
5.00	Hollow, 50 ft. deep, course NE. Ascend.
28.50.	Ridge, bears NW. and SE. Descend.
34.50	Head of hollow, course SE. Ascend.
36.00	Spur, projects SE. Descend.
40.03	Set an iron post, $\frac{1}{3}$ ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 29 on N. half, S 32 on S. half, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. From this $\frac{1}{4}$ sec.cor., U.S.L.M. No. 234, Castle Peak Mining District, which is a limestone, 12×3 ins., projecting 12 ins. above a mound of stone, 6 ft. base, 6 ft. high, chiseled U S L M No. 234 on S. face, bears S. 0° 33' E., 51.14 chs. dist.
44.00	Hollow, 70 ft. deep, course SE. Ascend.
50.00	Spur, projects SE. Descend.
71.00	Junction of hollow from NW. with hollow from W. course SE. Ascend in bottom of hollow.
77.10	Road bears N. and S.
80.06	The cor. of secs. 29-30-31 and 32. Land, rolling. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
	S.89°58'W., on a random line, bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.20	Intersect W.bdy. of Tp., 16 lks. N. of the cor. of secs. 25-30-31 and 36, heretofore described.
	Thence I run
	N.89°51'E., on a true line,
	Bet. secs. 30 and 31.
	Descend over rolling land, through sparse undergrowth.
38.00	Hollow, 50 ft. deep, course SE.
	Ascend.
38.20	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 on N. half, S 31 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.. Pits impracticable.
50.50	Spur, projects S.
	Descend.
51.95	Road bears N. and S.
62.00	Enter hollow, 75 ft. deep, course from SW. to E.
	Descend in bottom of wide hollow.
67.00	Junction of roads from NW. and SW. to E.
	Along road.
68.50	Most westerly house in the mining camp of Pariette, a one story frame, 25 ft. square, bears north, 25 lks. dist.
72.00	Leave road, bears NE. and W.
72.90	The main shaft of the Pariette Gilsonite mine, 964 ft. deep, on line.
73.30	The SW.cor. of the engine house of the mine, on line.
73.43	West side of most easterly building, in Pariette, on line.
74.00	East side of same building.
76.10	Road bears NW. and SE.
78.20	The cor. of secs. 29-30-31 and 32.
	Land, rolling.
	Soil, sandy and rocky, 3rd. rate.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	N.0°03'W., bet. secs. 29 and 30.
	Ascend over rolling and rocky land, through sparse undergrowth.
4.00	Spur, projects SE.
	Descend.
7.75	Road from Pariette to Myton, bears NW. and SE.
16.50	Hollow, 50 ft. deep, course SE.
	Ascend.
36.00	Begin abrupt ascent, bears E. and W.
38.50	Top of ascent, bears E. and W.
	Over level land.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 on W. half, S 29 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high, W. of cor.
61.00	Begin descent, bears E. and W.
67.00	Enter bottom of hollow, 75 ft. deep, course E.
76.00	Leave hollow.
	Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 19-20-29 and 30, marked on brass cap, T 8 S S 19 in NW., R 17 E S 20 in NE., S 29 in SE. and S 30 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, rolling and level.
	Soil, loam, 2nd. rate on 22.50 chs.
	balance, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	N. $89^{\circ}55' E.$, on a random line, bet. secs. 20 and 29.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.08	Intersect N. and S. line, 3 lks.N. of the cor.of secs. 20-21-28 and 29.
	Thence I run
	S. $89^{\circ}56' W.$, on a true line,
	Bet. secs. 20 and 29.
	Over level land, through sparse undergrowth.
1.00	Begin descent, bears NW. and SE.
3.00	Head of hollow, course S.
	Ascend along south slope, over rolling land.
40.04	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 20 on N. half, S 29 on S.half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
	Pits impracticable.
40.85	Road from Pariette to Pleasant Valley, bears NE. and SW.
80.08	The cor.of secs. 19-20-29 and 30.
	Land, level and rolling.
	Soil, sandy and rocky, 3rd.rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	July 7: At this cor.I set off $22^{\circ}38' N.$ on decl.arc, and at 0h.05m.. p.m., 1.m.t., observe the sun on the meridian the resulting lat.is $40^{\circ}06' N.$
	<hr/>
	S. $89^{\circ}51' W.$, on a random line, bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
78.16	Intersect W.bdy.of Tp., 5 lks.N. of the cor.of secs. 19-24-25 and 30, heretofore described.
	Thence I run
	N. $89^{\circ}49' E.$, on a true line,
	Bet. secs. 19 and 30.
	Ascend over rolling land, through sparse undergrowth.
15.50	Wash, 50 lks.wide, 15 ft.deep, course NE.

SUBDIVISIONS OF T. 8 S., R. 17 E.

CHAINS	
21.48	Road from Pariette to Myton, bears NW. and SE.
23.00	Ridge, bears NE. and SW.
	Descend over rolling land, along south slope.
38.16	Set an iron post, $\frac{3}{4}$ ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 on N. half, S 30 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
78.16	The cor. of secs. 19-20-29 and 30.
	Land, rolling.
	Soil, loam, 2nd. rate on 23.00 chs.
	balance, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	<hr/>
	N. 0° 03' W., bet. secs. 19 and 20.
	Ascend over rolling land, through sparse undergrowth.
7.00	Top of ascent, bears E. and W.
	Begin gradual descent over gently rolling land.
40.00	Set an iron post, $\frac{3}{4}$ ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 on W. half, S 20 on E. half, dig pits 18x18x12 ins., N. and S. of post, $\frac{3}{4}$ ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, $\frac{3}{4}$ ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 17-18-19 and 20, marked on brass cap, T 8 S 18 in NW., R 17 E S 17 in NE., S 20 in SE. and S 19 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, rolling.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS. OF T. 8. S., R. 17 E.

CHAINS	
	N.89°56' E., on a random line, bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.12	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 16-17-20 and 21..
	Thence I run S.89°54' W., on a true line, Bet. secs. 17 and 20.
	Gradual ascent over gently rolling land, through sparse undergrowth.
40.06	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 17 on N. half, S 20 on S. half, dig pits, 18x18x12 ins., E. and W. of post, $\frac{1}{2}$ ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80.12	The cor. of secs. 17-18-19 and 20. Land, gently rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	S.89°49' W., on a random line, bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.12	Intersect W. bdy. of Tp., 3 lks. N. of the cor. of secs. 13-18-19 and 24, heretofore described.
	Thence I run N.89°48' E., on a true line,
	Bet. secs. 18 and 19.
	Ascend over rolling land, through sparse undergrowth.
38.12	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 on N. half, S 19 on S. half, dig pits, 18x18x12 ins., E. and W. of post, $\frac{1}{2}$ ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
49.00	Wash, 50 lks. wide, 25 ft. deep, course NE.
57.00	spur, projects NE.

SUBDIVISIONS OF T.8 S., R.17 E.

CHAINS	
	Descend.
78.12	The cor. of secs. 17-18-19 and 20.
	Land, rolling.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	<hr/>
	N. $0^{\circ}0'3''$ W., bet. secs. 17 and 18.
	Gradual descent over gently rolling land, through sparse undergrowth.
8.91	Hollow, 40 ft. deep, course NE..
	Ascend.
10.19	Intersect S.bdy. of the Uintah Indian Reservation, at 28.16 chs., S. $89^{\circ}32'3''$ E., from the 17th. mile cor., heretofore described.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 17 and 18; marked on brass cap, U I R CC on N. half,
	S 17 S 18 T 8 S R 17 E on S. half, dig pits, 24x18x12 ins. crosswise on each line, E. and W., 3 ft. and S. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.
	Land, rolling.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

July 7, 1910

GENERAL DESCRIPTION OF T.8 S., R.17 E.

This fractional township lies on the south side of the Uintah Indian Reservation and the surface is rolling and level mesas, all covered with a sparse growth of desert brush and bunch grass.

About a third of the township is a loam soil and capable of producing crops with irrigation while the balance is sandy and rocky and unfit for agricultural purposes.

There is no timber on this township.

There is no water in this township, the water used at Pariette mine is hauled from the Castle Peak well described in T.9 S., R.17 E.

There are no settlers in this township or improvements on any land.

A gilsonite vein averaging about 36 ins. wide runs in a northwesterly direction through secs. 30, 31 and 32.

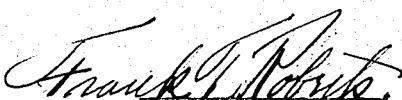
The mining camp of Pariette, (now deserted) is located in the SE. $\frac{1}{4}$ of sec. 30 and NE. $\frac{1}{4}$ of sec. 31. I return these secs. as mineral in character.

During the period this mine was worked, gilsonite was mined on the vein described above.

Pariette camp, consists 18 buildings, which includes houses for machinery, employees and office building.

At the present time the only occupant of Pariette is the watchman for the mine.

Other than the gilsonite described above there are no indications of coal, oil or minerals found in this township.



U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**LIST OF NAMES.**

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

_____, Chainman.
 For list of names and final oath of assistants see book "Z⁶", Chainman.
 T. 10 S., R. 19 E. _____, Moundman.
 _____, Moundman.
 _____, Axman.
 _____, Axman.
 _____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____ of the _____
 meridian, _____ of _____, which are represented
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.
 _____, Chainman.
 _____, Moundman.
 _____, Moundman.
 _____, Axman.
 _____, Axman.
 _____, Flagman.

Subscribed and sworn to before me this _____
 day of _____, 19 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the day of _____, 19_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z⁶" T. 10 S., R. 19 E.

of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 19_____ }

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 25, 1911.

The foregoing field notes of the survey of the subdivisional lines of Township No. 8 South, Range No. 17 East of the Salt Lake Base and Meridian, Utah,

executed by _____ Frank T. Roberts _____
under his contract No. 318, dated January 15, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

James K. Keel
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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Page

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4-679.

" W "

FILED
MAR 2 1911

FIELD NOTES

OF THE SURVEY OF THE
NORTH and EAST BOUNDARIES

or

Township No. 10 South, Range No. 18 East.

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 318, dated January 15, 1910

Survey commenced July 8, 1910

Survey completed July 9, 1910

With G. M. S.
End 403 65

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooper, Captain

Thomas Callahan, "

Thomas J. Garrod, Moundman

Claude L. Heist, "

John William Simpson, Axman

Claude Hume, Flagman

For preliminary affidavits see book "B" T. 1C S., R. 14 E.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 190 }



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 190 }



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 190 }



I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 190 }



NORTH BOUNDARY OF T.10 S., R.18 E.

CHAWNS

Survey commenced July 8, 1910, and executed with the instrument described in book "A", of this survey. I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows. At the cor. of Tps. 9 and 10 S., Rs. 17 and 18 E., heretofore described in approximate lat. $39^{\circ}59'N.$, long. $109^{\circ}59'W.$, I set off $39^{\circ}59'N.$, on lat.arc, $22^{\circ}31'N.$ on decl.arc, and at 4h. 05m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.N.of the cor.

July 8, 1910

July 9: At Oh. 26m., a.m., l.m.t., I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg, driven in the ground, 5 chs.N. of my station.

At 7 a.m., I lay off the azimuth of Polaris, $1^{\circ}32'$ to the west, and mark the meridian thus determined, by cutting a small groove in the stone set July 8, on which the meridian falls 0.2 ins. east of the mark determined by the solar.

At 8h. 05m., a.m., l.m.t., I set off $39^{\circ}59'N.$ on lat.arc, $22^{\circ}27'N.$ on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.2 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0'11''$ west and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h. 30m., a.m. is $N.16^{\circ}30'W.$, the angle thus determined, gives the mag. decl. $16^{\circ}30'E.$

NORTH BOUNDARY OF T.10 S., R.18 E.

CHAINS

From the Tp.cor., already described, I run
East, bet.secs.6 and 31.

Gradual ascent over gently rolling land, through sparse
undergrowth.

40.00 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the
ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 31 on N.
half, S 6 on S.half, dig pits, 18x18x12 ins.E. and W.of
post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base,
 $1\frac{1}{2}$ ft.high, N.of cor.

80.00 Set an iron post, 3 ft.long, 3 ins.dia., 24 ins.in the
ground, for cor.of secs.5-6-31 and 32, marked on brass cap
T 9 S S 31 in NW.,
R 18 E S 32 in NE.,
R 18 E S 5 in SE.and
T 10 S S 6 in SW.quadrant, dig pits, 18x18x12 ins., in each
sec., $5\frac{1}{2}$ ft.dist., and raise a mound of earth, 4 ft.base,
2 ft.high, W.of cor.
Land, rolling.
Soil, loam, 2nd.rate.
No timber.
Undergrowth, shad scale, sage brush and bunch grass.

East, bet.secs.5 and 32.

Gradual ascent over gently rolling land, through sparse
undergrowth.

40.00 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the
ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 32 on N.
half, S 5 on S.half, dig pits, 18x18x12 ins., E. and W.of
post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base,
 $1\frac{1}{2}$ ft.high, N.of cor.

66.05 Wash, 25 lks.wide, 5 ft.deep, course NE.

80.00 Set an iron post, 3 ft.long, 3 ins.dia., 24 ins.in the
ground, for cor.of secs.4-5-32 and 33, marked on brass cap
T 9 S S 32 in NW.,

NORTH BOUNDARY OF T.10 S., R.18 E.

CHAINS	
	R 18 E S 33 in NE., R 18 E S 4 in SE.and T 10 S S 5 in SW.quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor. Pits impracticable. Land, rolling. Soil, loam, 2nd.rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	East, bet.secs.4 and 33. Gradual ascent over gently rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 33 on N. half, S 4 on S.half, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft. high, N.of cor. Pits impracticable.
80.00	Set an iron post, 3 ft.long, 3 ins.dia., 24 ins.in the ground, for cor.of secs. 3-4-33 and 34, marked on brass cap T 9 S S 33 in NW., R 18 E S 34 in NE., R 18 E S 3 in SE.and T 10 S S 4 in SW.quadrant, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft. high, W.of cor. Pits impracticable. Land, rolling. Soil, rocky, loam, 2nd.and 3rd.rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	East, bet.secs.3 and 34. Gradual ascent over rolling land, along north slope, through sparse undergrowth.

NORTH BOUNDARY OF T.10 S., R.18 E.

CHAINS	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 34 on N. half, S 3 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 2-3-34 and 35, marked on brass cap T 9 S S 34 in NW., R 18 E S 35 in NE., R 18 E S 2 in SE., and T 10 S S 3 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky, loam, 2nd. and 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
25.00	Ascend over rolling land, through sparse undergrowth.
40.00	Ridge, bears NE. and SW. Descend along south slope.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 35 on N. half, S 2 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.
73.00	Hollow, 75 ft. deep, course SW Ascend.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., in mound of stone and earth, for cor. of secs. 1-2-35 and 36, marked on brass cap, T 9 S S 35 in NW., R 18 E S 36 in NE., R 18 E S 1 in SE., and T 10 S S 2 in SW. quadrant, and raise a mound of stone,

NORTH BOUNDARY OF T.10 S., R.18 E.

CHAINS

2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Note:

On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.

Land rolling.

Soil, rocky, 3rd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

East, bet. secs. 1 and 36.

Ascend over rolling and rocky land, through sparse undergrowth.

4.70 Ridge, bears N. and S.

Descend.

11.00 Hollow, 75 ft. deep, course S.

Ascend.

16.50 Rocky spur, projects S.

Descend.

27.00 Hollow, 75 ft. deep, course S.

Ascend.

33.00 Ridge, bears NW. and E.

Ascend along top of ridge.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 36 on N. half, S. l on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

45.00 Junction of ridges, bearing NE., SW. and W.

Leave ridge. Descend.

53.00 Head of hollow, course SE.

Ascend along south slope.

76.00 Ridge, bears NW. and SE. Descend.

80.00 Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of Tps. 9 and 10 S., Rs. 18 and 19 E.,

NORTH BOUNDARY OF T.10 S., R.18 E.

CHAINS	<p>marked on brass cap, T.9 S. on N.half, T.10 S. on S.half, R 18 E S 36 in NW., R 19 E S 31 in NE., R 19 E S 6 in SE., and R 18 E S 1 in SW.quadrant, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high, S.of cor. Pits impracticable. Land rolling. Soil, sandy and rocky, 3rd.rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.</p> <p>July 9: At this cor. I set off $22^{\circ}25'N.$ on decl.arc, and at Oh.05m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $39^{\circ}59'N.$</p>
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EAST BOUNDARY OF T.10 S., R.18 E.

	From the cor. of Tps. 9 and 10 S., Rs. 18 and 19 E., I run
	South, bet.secs.1 and 6.
	Ascend over rolling and rocky land, through sparse undergrowth.
3.00	Ridge, bears NW. and SE.
	Descend.
10.00	Hollow, 75 ft.deep, course NE.
	Ascend.
23.00	Ridge, bears NW. and SE.
	Abrupt descent.
31.00	Hollow, 75 ft.deep, course W.
	Ascend.
36.00	Spur, projects W.
	Abrupt descent.
40.00	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 1 on W. half, S 6 on E.half, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high, W.of cor. Pits impracticable.

EAST BOUNDARY OF T.10 S., R.18 E.

CHAINS	
44.00	Hollow, 75 ft. deep, course W. Ascend.
50.00	Spur, projects W. Descend.
52.00	Hollow, 100 ft. deep, course E. Ascend.
55.00	Spur, projects E. Descend.
57.50	Same hollow, 100 ft. deep, course W. Ascend.
59.00	Spur, projects W. Descend.
62.00	Same hollow, 100 ft. deep, course SE. Ascend.
78.00	Spur, projects E. Descend.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., in mound of stone and earth, for cor. of secs. 1-6-7 and 12, marked on brass cap, T 10 S on N. half, R 18 E S 1 in NW., R 19 E S 6 in NE., S 7 in SE. and S 12 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass. Mountainous land on 80.00 chs.

EAST BOUNDARY OF T. 10 S., R. 18 E.

CHAINS	
	South, bet. secs. 7 and 12.
	Descend over rocky and mountainous land.
0.60	Hollow, .75 ft. deep, course NE.
	Abrupt ascent.
5.60	Rocky spur, projects E.
	Abrupt descent.
9.00	Hollow, .75 ft. deep, course NE.
	Abrupt ascent.
16.40	Spur, projects E.
	Abrupt descent.
21.00	Hollow, .75 ft. deep, course NE.
	Abrupt ascent.
27.00	Spur, projects E.
	Descend.
27.29	Point for witness cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to $\frac{1}{2}$ sec. cor., marked on brass cap T 10 S on N. half, W C $\frac{1}{2}$ on S. half, R 18 E S 12 on W. half, and R 19 E S 7 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Begin abrupt descent along steep east slope, over solid sandstone ledges.
40.00	Point for $\frac{1}{2}$ sec. cor. falls on the steep slope of the solid sandstone, impossible to set.
50.00	Begin abrupt ascent along steep, east slope.
66.00	Ridge, bears NW. and SE.
	Descend.
70.00	Head of hollow, course W.
	Ascend.
79.00	Spur, projects W.
	Descend.
80.00	Set a sandstone, 24x10x6 ins., in mound of stone and earth, for cor. of secs. 7-12-13 and 18, marked with 4 notches on S. and 2 notches on N. edges, and raise a mound of stone,

EAST BOUNDARY OF T.10 S., R.18 E.

CHAINS	
	2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Note: On account of natural obstacles it is impossible to set an iron post, in the ground at any point within a radius of 10.00 chs.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	No timber.
	Mountainous land on 80.00 chs.
	South, bet. secs. 13 and 18.
	Descend over broken ledges and mountainous land along west slope.
5.00	Hollow, 75 ft. deep, course NW.
	Ascend.
12.40	Ridge, bears NW. and SE.
	Descend.
22.00	Hollow, 100 ft. deep, course SW.
	Abrupt ascent.
25.50	Spur, projects W.
	Descend.
36.00	Hollow, 100 ft. deep, course W.
	Abrupt ascent
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 13 on W. half, S 18 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
41.10	Ridge, bears NE. and SW.
	Abrupt descent.
51.00	Hollow, 100 ft. deep, course SW.
	Abrupt ascent.
57.50	Spur, projects SW.
	Descend.

EAST BOUNDARY OF T.10 S., R.18 E.

CHAINS	
62.00	Hollow, 100 ft. deep, course W. Abrupt ascent.
65.55	Rocky spur, projects W. Abrupt descent.
74.00	Hollow, 125 ft. deep, course SW. Abrupt ascent over ledges.
80.00	Set a sandstone, 20x10x4 ins., in mound of stone and earth, for cor. of secs. 13-18-19 and 24, marked with 3 notches on N. and S. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Note: On account of natural obstacles it is impossible to set an iron post within a radius of 10.00 chs. of this point.	
Land, mountainous.	
Soil, rocky, 3rd. and 4th. rate.	
No timber.	
Mountainous land on <u>80.00 chs.</u>	
South, bet. secs. 19 and 24.	
Ascend abruptly over broken ledges and mountainous land.	
0.40	Rocky spur, projects SW. Abrupt descent.
3.50	Hollow, 125 ft. deep, course W. Abrupt ascent.
6.25	Spur, projects W. Abrupt descent.
8.00	Hollow, 100 ft. deep, course W. Abrupt ascent.
9.50	Spur, projects W. Abrupt descent over broken land..
30.00	Enter bottom of hollow, 200 ft. deep, course SE.
37.70	Leave hollow. Abrupt ascent.

EAST BOUNDARY OF T.10 S., R.18 E.

CHAINS	
39.25	Spur, projects SE. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 24 on W. half, S 19 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
42.50	Hollow, 100 ft. deep, course SE. Ascend.
49.25	Spur, projects SE. Descend.
63.30	Foot of descent, bears NE. and SW. Leave rocky land. Over level bottom land, through dense undergrowth.
77.00	Enter dense willow thicket, bears E. and W.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 19-24-25 and 30, marked on brass cap, T 10 S on N. half, R 18 E S 24 in NW., R 19 E S 19 in NE., S 30 in SE. and S 25 in SW. quadrant, from which A cottonwood, 4 ins. diam., bears S. 0° 30' E., 65 lks. dist., marked T 10 S R 19 E S 30 BT. A cottonwood, 6 ins. diam., bears S. 30° W., 77 lks. dist., marked T 10 S R 18 E S 25 BT. No other trees within limits, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, mountainous and level. Soil, rocky, 3rd. and 4th. rate on 63.30 chs. balance, loam, 1st. rate. No timber. Undergrowth, greasewood brush, sage brush and willows. Mountainous land or dense undergrowth on 80.00 chs.

EAST BOUNDARY OF T.10 S., R.18 E.

CHAINS

South, bet. secs. 25 and 30.
Over level bottom land, through dense undergrowth and scattering timber.
3.55 To right bank of Green River.
Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for meander cor. of frac'l secs. 25 and 30, marked on brass cap, M C on S.half, T 10 S on N.half, R 18 E S 25 in NW., and R 19 E S 30 in NE. quadrant, dig a pit, 36x36x12 ins., 8 ft. N. of post, and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor. Land, level.
Soil, loam, 1st. rate.
Timber, scattering cottonwoods.
Undergrowth, greasewood, sage brush, rose bushes and willows.
Dense undergrowth on 3.55 chs.

July 9, 1910

BOUNDARIES OF T.10 S., R.18 E.
Latitudes, departures and closing errors.

Line Designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
East Bdy.	North	323.55	323.55			
North Bdy.	West	480.00				480.00
West Bdy.	South	480.00		480.00		
2nd. Stan. Par. South	East	341.00			341.00	
Meanders in Sec. 35	N. 47°00' W.	7.20	4.91			5.27
"	N. 27°30' W.	34.00	30.16			15.70
" Sec. 34	N. 46°00' W.	8.00	5.56			5.75
"	N. 21°00' W.	6.00	5.60			2.15
"	N. 4°15' W.	33.80	33.71			2.50
" Sec. 27	N. 22°W.	6.00	5.56			2.25
"	North	11.60	11.60			
"	N. 11°00' E.	29.00	28.47		5.53	
"	N. 62°00' E.	8.00	3.76		7.06	
" Sec. 26	N. 51°00' E.	12.00	7.55		9.33	
"	N. 11°00' E.	14.00	13.74		2.67	
"	N. 44°00' E.	12.00	8.63		8.34	
" Sec. 23	N. 58°00' E.	14.00	7.42		11.87	
"	N. 80°30' E.	11.00	1.82		10.85	
"	S. 61°00' E.	19.00		9.21	16.62	
" Sec. 26	S. 60°45' E.	23.40		11.43	20.42	
" Sec. 25	S. 77°00' E.	6.00		1.35	5.85	
"	S. 42°00' E.	11.00		8.17	7.36	
"	N. 77°30' E.	22.00	4.76		21.48	
"	N. 80°00' E.	23.00	3.99		22.65	
"	N. 69°00' E.	24.00	8.60		22.41	
Convergency						0.54
	Totals,	509.39	510.16 509.39	513.44	514.16 513.44	
	Errors in lat. and dep.		0.77			0.72

For General Description see Subdivisions of T.10 S., R.18 E.

Frank T. Tolson
U.S. Deputy Surveyor

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

For list of names and final oath of assistants see book "Z³," Chainman.

T. 9 S., R. 19 E.

, Chainman.

, Moundman

, Moundman

, Axman.

, Axman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 190_____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from United States Surveyor General for bearing date of the day of 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

For final oath of deputy see book "Z³" T. 9 S., R. 19 E.

..... of the meridian, in the of which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said and sworn to before me }
this day of 190 }

○○○○○
○ SEAL ○
○○○○○○

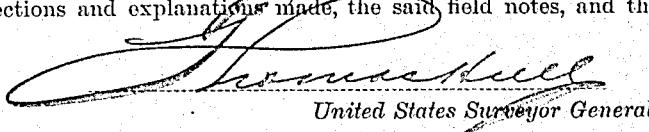
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 25, 1911

The foregoing field notes of the survey of the North and East Boundaries of Township No. 10 South, Range No. 18 East, or the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts
under his contract No. 318 dated January 15, 1910 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.



United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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Page**

4-679.

" X "

FILED

MAR 2 1911

FIELD NOTES

M. S. B.

OF THE SURVEY OF THE

S U B D I V I S I O N S

OF

TOWNSHIP NO. 10 SOUTH, RANGE NO. 18 EAST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 318, dated January 15, 1910

Survey commenced July 10, 1910

Survey completed July 19, 1910

6-161

54-26-54

manuscr.

4-15-00

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooper,.....Chairman.....

Thomas Callahan,.....".....

Thomas J. Garrod,.....Mountman.....

Claude L. Heist,.....".....

John William Simpson,.....Axman.....

Claude Hume,.....Flagman.....

For preliminary affidavits see book "C" T. 10 S., R. 14 E.

INDEX DIAGRAM.

Township 10 South, Range 18 East,

6	12	5	23	4	34	3	46	2	59	1
12		22		33		44		57		58
7	10	8	21	9	32	10	43	11	56	12
9		20		31		42		54		55
18	8	17	19	16	30	15	41	14	53	13
7		18		29		40		51		52
19	6	20	17	21	28	22	39	23	49	24
5		16		27		37		39	49	46
80	4	20	15	28	26	27	38	26	43	25
3		14		25		36				
31	2	32	13	33	24	34	35	35		36

Meanders Pages 60, 61 and 62

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

, Chainman.

, Chainman.

Subscribed and sworn to before me this _____
day of _____, 19_____



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____
day of _____, 19_____



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

, Axman.

, Axman.

Subscribed and sworn to before me this _____
day of _____, 19_____



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 19_____



SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS

Survey commenced July 10, 1910, and executed with the instrument described in book "A", of this survey. I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the stan.cor.of secs. 31 and 32, on the 2nd.stan.Par.S., which is an iron post, 3 ins.dia., projecting 12 ins.above the ground, marked and witnessed as described by the surveyor general, in approximate lat. $39^{\circ}54'N.$, longitude $109^{\circ}58'W.$, I set off $39^{\circ}54'N.$ on lat.arc, $22^{\circ}17'N.$ on decl.arc, and at 4h.05m., p.m.; l.m.t., determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground, 5 chs.N. of the cor.

At 7 a.m., I lay off the azimuth of Polaris, $1^{\circ}32'$ to the west, and mark the meridian thus determined, by cutting a small groove in the stone set last evening, on which the meridian falls 0.2 ins.east of the mark determined by the solar.

At 8h.05m., a.m., l.m.t., I set off $39^{\circ}54'N.$ on lat.arc, $22^{\circ}12'N.$ on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N. of my station; this mark falls 0.2 ins.east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0'11''$ west and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS

of the instrument are satisfactory. The magnetic bearing of the true meridian at 8h.30m., a.m. is N.16°30'W., the angle thus determined gives the mag. decl. 16°30'E.

From the stan.sec.cor., already described, I run
N.0°01'E., betsecs.31 and 32. From
Descend over rolling and rocky land, through sparse
undergrowth. S. 18 ft. deep to hollow ground.
Hollow, 75 ft. deep, course NE. set post at S. 31.
Ascend. S. 31, half way up, stone, 1 ft. high, 1 ft. wide
Spur, projects NE.
Descend.
Hollow, 40 ft. deep, course NE.
Ascend.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 31 on W.
half, S 32 on E. half, and raise a mound of stone, 2 ft. base
1 $\frac{1}{2}$ ft. high, W. of cor.
In hollow rock formation it is impracticable to
Pits impracticable.
Ridge, bears NE. and SW.
Descend.
Hollow, 50 ft. deep, course NE.
Ascend.
Spur, projects E.
Descend.
Hollow, 50 ft. deep, course E.
Ascend.
Top of spur, projects S.
Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone
and earth, for cor. of secs. 29-30-31 and 32, marked on brass
cap, T 10 S S 30 in NW.,
R 18 E S 29 in NE.,
S 32 in SE. and S 31 in SW. quadrant, and raise a mound of
stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS

Pits impracticable.

Note:

On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.

Land, rolling.

Soil, rocky, 3rd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

West, on a random line, bet. secs. 30 and 31.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.16 Intersect W.bdy. of Tp., 7 lks. S. of the cor. of secs. 25-30-31 and 36, heretofore described.

Thence I run

S. $89^{\circ}57'$ E., on a true line,

Bet. secs. 30 and 31.

Ascend over rolling and rocky land, through sparse undergrowth.

8.50 Ridge, bears N. and S.

Descend.

16.00 Hollow, 40 ft. deep, course NE.

Ascend.

21.50 Spur, projects N.

Descend.

25.10 Hollow, 30 ft. deep, course N.

Ascend.

29.00 Spur, projects N.

Descend.

31.00 Hollow, 35 ft. deep, course N.

Ascend.

34.00 Spur, projects N.

Descend.

40.08 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S30 on N. half, S31 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	N.of cor. visible.
	Pits impracticable.
40.25	Hollow, 50 ft. deep, course N.
	Ascend.
50.75	Ridge, bears N. and S.
	Descend.
54.00	Hollow, 40 ft. deep, course NE.
	Ascend.
58.00	Spur, projects N.
	Descend.
63.00	Hollow, 30 ft. deep, course NE.
	Ascend.
68.80	Spur, projects NE.
	Descend.
74.00	Hollow, 40 ft. deep, course SE.
	Ascend.
80.16	The cor. of secs. 29-30-31 and 32.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	<hr/>
	N.0°01'E., bet. secs. 29 and 30.
	Ascend along top of spur, projecting S., through sparse undergrowth.
10.00	Leave spur, bears NW. and S.
	Descend.
16.00	Hollow, 50 ft. deep, course NE.
	Ascend.
20.25	Spur, projects E.
	Descend.
23.75	Hollow, 30 ft. deep, course SE.
	Ascend.
27.00	Ridge, bears NE. and SW.
	Descend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 30 on W. half, S 29 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
47.25	Hollow, 75 ft. deep, course NE. Ascend.
78.50	Ridge, bears NE. and SW. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 19-20-29 and 30, marked on brass cap, T 10 S S 19 in NW., R 18 E S 20 in NE., S 29 in SE. and S 30 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	N. $89^{\circ}57'W.$, on a random line, bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect W. bdy. of Tp., 12 lks. S. of the cor. of secs. 19-24-25. and 30, heretofore described.
	Thence I. rung N. 20° 40' E. to intersect the cor. of secs. 19 and 30.
	S. $89^{\circ}52'E.$, on a true line,
	Bet. secs. 19 and 30.
	Descend over rolling and rocky land, through sparse undergrowth.
13.00	Hollow, 50 ft. deep, course SE.
	Ascend.
23.00	Spur, projects S. of I. line, 100 ft. S. 100 ft. E. Descend.
36.00	Hollow, 75 ft. deep, course NE.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Ascend.
39.99	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 on N. half, S 30 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
45.00	Spur, projects N.
	Descend.
59.00	Hollow, 75 ft. deep, course NE.
	Ascend.
64.50	Spur, projects N.
	Descend.
68.00	Hollow, 40 ft. deep, course N.
	Ascend.
71.50	Spur, projects N.
	Descend.
73.00	Hollow, 30 ft. deep, course N.
	Ascend.
79.98	The cor. of secs. 19-20-29 and 30. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 0° 01' E., bet. secs. 19 and 20.
	Descend over rolling land, through sparse undergrowth.
13.00	Head of hollow, course NW.
	Ascend..
17.50	Ridge, bears NW. and SE.
	Descend.
25.00	Begin ascent.
32.00	Ridge, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 on W. half, S 20 on E. half, and raise a mound of stone, 2 ft. base

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	1½ ft. high, W. of cor. Pits impracticable.
57.00	Hollow, 100 ft. deep, course NE. Ascend.
63.00	Spur, projects E. Descend.
75.00	Hollow, 60 ft. deep, course SE. Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 17-18-19 and 20, marked on brass cap, T. 10 S S 18 in NW., R 18 E S 17 in NE., S 20 in SE. and S 19 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Note: On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	July 11: At this cor. I set off 22°10' N. on decl. arc, and at 12h.05m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is 39°56' N.
40.00	N. 89°52' W., on a random line, bet. secs. 18 and 19. Set temp. ¼ sec. cor.
79.90	Intersect W. bdy. of Tp., 2½ lks. N. of the cor. of secs. 13-18-19 and 24, heretofore described. Thence I run
	N. 89°59' E., on a true line, Bet. secs. 18 and 19.
	Descend over rolling and rocky land, through sparse undergrowth.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
14.00	Hollow, 75 ft. deep, course NE. Ascend.
25.00	Spur, projects N. Descend.
36.25	Hollow, 40 ft. deep, course NE. Ascend.
39.95	Top of ridge, bears NE. and SW. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 on N. half, S 19 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Descend.
47.00	Hollow, 50 ft. deep, course NE. Ascend.
74.00	Ridge, bears NE. and SW. Descend.
79.90	The cor. of secs. 17-18-19 and 20. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass. N. 0°01' E., bet. secs. 17 and 18. Ascend over rolling and rocky land, through sparse undergrowth.
15.00	Ridge, bears NE. and SW. Descend.
29.00	Hollow, 75 ft. deep, course NE. Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 on W. half, S 17 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
41.50	Spur, projects NE. Descend.
46.50	Hollow, 40 ft. deep, course NE. Ascend.
50.00	Spur, projects E. Descend.
52.00	Hollow, 50 ft. deep, course SE. Ascend.
65.00	Ridge, bears NE. and SW. Descend.
77.00	Hollow, 75 ft. deep, course NE. Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 7-8-17 and 18, marked on brass cap T 10 S 8 7 in NW., R 18 E 8 8 in NE., S 17 in SE. and S 18 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
80.06	S. $89^{\circ}59'W.$, on a random line, bet. secs. 7 and 18. Set temp. $\frac{1}{4}$ sec. cor. Intersect W. bdy. of Tp., 3 lks. S. of the cor. of secs. 7-12-13 and 18, heretofore described. Thence I run
11.75	East, on a true line, bet. secs. 7 and 18. Descend over rolling and rocky land, through sparse undergrowth. Hollow, 60 ft. deep, course SE. Ascend.
16.50	Spur, projects SE.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Descend.
23.00	Hollow, 75 ft. deep, course NE.
	Ascend.
30.00	Spur, projects N.
	Descend.
37.00	Same hollow, 75 ft. deep, course SE.
	Ascend.
40.03	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 7 on N. half, S 18 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
50.00	Begin descent.
59.75	Same hollow, 75 ft. deep, course NE.
	Ascend.
70.00	Ridge, bears SW. and E.
	Descend along top of ridge.
79.00	Begin descent along south slope of ridge.
80.06	The cor. of secs. 7-8-17 and 18.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shadscale, sage brush and bunch grass.
	N. 0° 01' E., bet. secs. 7 and 8.
	Ascend over rocky land, through sparse undergrowth.
0.25	Spur, projects E.
	Descend.
8.00	Hollow, 75 ft. deep, course NE.
	Ascend.
26.00	Ridge, bears NE. and SW.
	Descend.
39.00	Hollow, 50 ft. deep, course NE.
	Ascend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 7 on W. half, S 8 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.. Pits impracticable.
51.00	Spur, projects E. Descend.
57.00	Hollow, 40 ft. deep, course NE. Ascend.
60.00	Spur, projects E. Descend.
61.50	Hollow, 50 ft. deep, course E. Ascend.
74.50	Ridge, bears NE. and SW. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 5-6-7 and 8, marked on brass cap, T 10 S S 6 in. NW., R 18 E S 5 in NE., S 8 in SE. and S 7 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.. Pits impracticable.
	Note: On account of natural obstacles it is impossible to set this post over 12 ins. in the ground. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	West, on a random line, bet. secs. 6 and 7. Set temp. $\frac{1}{2}$ sec. cor.
40.00	Intersect W. bdy. of Tp., 3 lks. S. of the cor. of secs. 1-6-7 and 12, heretofore described.
80.12	Thence I run

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	S.89°59' E., on a true line, bet. secs. 6 and 7. Gradual descent over gently rolling land, through sparse undergrowth.
40.06	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 6 on N. half, S 7 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
51.00	Begin descent over rolling and rocky land, bears NE. and SW.
69.50	Hollow, 40 ft. deep, course NE. Ascend.
76.50	Spur, projects N. Descend.
80.12	The cor. of secs. 5-6-7 and 8. Land, rolling. Soil, loam, 2nd. rate on 51.00 chs. rocky, 3rd. rate on balance. No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	N.0°01' E., on a random line, bet. secs. 5 and 6. Set temp. $\frac{1}{4}$ sec. cor.
40.00	Intersect N. bdy. of Tp., 16 lks. E. of the cor. of secs. 5-6-31 and 32, heretofore described.
79.96	Thence I run S.0°06' E., on a true line, Bet. secs. 5 and 6.
	Gradual descent over gently rolling land, through sparse undergrowth.
39.96	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 6 on W. half, S 5 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
54.00	Hollow, 50 ft. deep, course NE. Ascend over rocky land.
79.96	The cor. of secs. 5-6-7 and 8. Land, rolling. Soil, loam, 2nd. rate, on 54.00 chs. balance, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	July 11, 1910
	July 12: At 8h.05m., a.m., l.m.t., I set off $39^{\circ}54'N.$ on lat. arc, $22^{\circ}04'W.$ on decl. arc, and determine a meridian with the solar at the stan cor. of secs. 32 and 33, on the 2nd. Stan. Par. S., which is an iron post, 3 ins. dia., projecting 12 ins. above the ground, marked and witnessed as described by the surveyor general. Thence I run N. $0^{\circ}01'E.$, bet. secs. 32 and 33. Descend over rolling and rocky land, through sparse undergrowth.
27.00	Hollow, 75 ft. deep, course NE. Ascend.
35.70	Ridge, bears NE. and SW. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 32 on W. half, S 33 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
47.50	Hollow, 75 ft. deep, course NE. Ascend.
52.00	Spur, projects NE. Descend.
56.00	Hollow, 75 ft. deep, course NE. Ascend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
68.00	Ridge, bears NE. and SW. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 28-29-32 and 33, marked on brass cap, T 10 S S 29 in NW., R 18 E S 28 in NE., S 33 in SE. and S 32 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	West, on a random line, bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 29-30-31 and 32. Thence I run N. $89^{\circ}58'$ E., on a true line, Bet. secs. 29 and 32. Descend over rolling and rocky land, through sparse undergrowth.
10.00	Hollow, 75 ft. deep, course NE. Ascend.
20.00	Spur, projects N. Descend.
35.00	Hollow, 60 ft. deep, course NE. Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 29 on N. half, S 32 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable..
44.00	Spur, projects NE.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Descend.
53.00	Hollow, 50 ft. deep, course NE.
	Ascend.
63.00	Ridge, bears NE. and SW.
	Descend.
78.00	Hollow, 50 ft. deep, course, NE.
	Ascend.
80.00	The cor. of secs. 28-29-32 and 33.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	<hr/>
	N. 0°01' E., bet. secs. 28 and 29.
	Descend over rolling and rocky land, through sparse undergrowth.
1.25	Hollow, 50 ft. deep, course NE.
	Ascend.
17.50	Spur, projects E.
	Descend.
21.75	Hollow, 100 ft. deep, course, E.
	Ascend.
38.00	Spur, projects E.
	Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on W. half, S 28 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
43.00	Hollow, 50 ft. deep, course SE.
	Ascend.
57.50	Ridge, bears E. and W.
	Descend.
71.00	Hollow, 50 ft. deep, course NE.
	Ascend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
73.00	Ridge, bears NE. and SW. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 20-21-28 and 29, marked on brass cap, T 10 S S 20 in NW., R 18 E S 21 in NE., S 28 in SE. and S 29 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
40.00	S. $89^{\circ}58'$ W., on a random line, bet. secs. 20 and 29. Set temp. $\frac{1}{4}$ sec. cor.
79.88	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 19-20-29 and 30. Thence I run
	S. $89^{\circ}59'$ E., on a true line, Bet. secs. 20 and 29. Ascend over rolling and rocky land, through sparse undergrowth.
2.50	Ridge, bears NE. and SW. Descend.
35.00	Hollow, 100 ft. deep, course NE. Ascend.
39.94	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 20 on N. half, S 29 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
41.50	Spur, projects N. Descend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
46.00	Hollow, 50 ft. deep, course N. Ascend.
51.00	Spur, projects N. Descend.
55.70	Hollow, 35 ft. deep, course N. Ascend.
62.50	Ridge, bears N. and S. Descend.
69.80	Hollow, 60 ft. deep, course NE. Ascend.
79.88	The cor. of secs. 20-21-28 and 29. Land, rolling. Soil, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 0°01' E., bet. secs. 20 and 21.
	Descend over rolling land, through sparse undergrowth.
4.00	Hollow, 40 ft. deep, course NW. Ascend.
7.00	Spur, projects NW. Descend.
10.75	Hollow, 75 ft. deep, course NE. Ascend.
36.00	Ridge, bears NE. and SW. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 20 on W. half, S 21 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
75.00	Hollow, 50 ft. deep, course NW. Ascend.
78.00	Spur, projects NW.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 16-17-20 and 21, marked on brass cap, T 10 S S 17 in NW., R 18 E S 16 in NE., S 21 in SE. and S 20 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	July 12: At this cor. I set off $22^{\circ}02'$ N. on decl. arc, and at 12h.05m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is $39^{\circ}57'$ N.
	N. $89^{\circ}59'$ W., on a random line, bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 17-18-19 and 20.
	Thence I run S. $89^{\circ}58'$ E., on a true line, Bet. secs. 17 and 20.
	Descend over rolling land, through sparse undergrowth.
17.00	Hollow, 75 ft. deep, course NE.
	Ascend.
39.95	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 17 on N. half, S 20 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
59.00	Ridge, bears NE. and SW.
	Descend.
72.50	Hollow, 75 ft. deep, course NE.
	Ascend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
79.90	The cor. of secs. 16-17-20 and 21. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 0°01'E., bet. secs. 16 and 17.
	Descend over rolling land, through sparse undergrowth.
13.00	Hollow, 75 ft. deep, course NE: Ascend.
15.00	Spur, projects E. Descend.
18.00	Same hollow, 75 ft. deep, course NW. Ascend.
24.00	Spur, projects W. Descend.
29.50	Same hollow, 75 ft. deep, course NE. Ascend.
34.00	Spur, projects NE. Descend.
37.50	Hollow, 40 ft. deep, course NE. Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 17 on W. half, S 16 on E. half; and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
42.75	Spur, projects NE. Descend.
60.00	Hollow, 75 ft. deep, course NE. Ascend.
71.00	Spur, projects E. Descend.
76.00	Hollow, 40 ft. deep, course SE. Ascend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 8-9-16 and 17, marked on brass cap. T 10 S S 8 in NW., R 18 E S 9 in NE., S 16 in SE. and S 17 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
40.00	N. $89^{\circ}58'$ W., on a random line, bet. secs. 8 and 17. Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 7-8-17 and 18. Thence I run S. $89^{\circ}57'$ E., on a true line, , Bet. secs. 8 and 17. Descend over rolling land, through sparse undergrowth.
2.00	Hollow, 50 ft. deep, course NE. Ascend.
7.00	Spur, projects NE. Descend.
30.00	Hollow, 75 ft. deep, course NE. Ascend.
32.00	Spur, projects N. Descend.
35.00	Hollow, 50 ft. deep, course N. Ascend.
39.96	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 8 on N. half, S 17 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
45.00	Ridge, bears NE. and SW. Descend.
72.00	Hollow, 50 ft. deep, course SE. Ascend.
79.92	The cor. of secs. 8-9-16 and 17. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N.0°01'E., bet. secs. 8 and 9.
40.00	Ascend over rolling land, through sparse undergrowth. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 8 on W. half, S 9 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
41.50	Ridge, bears NE. and SW. Descend.
59.00	Hollow, 75 ft. deep, course NE. Ascend.
72.00	Ridge, bears NE. and SW. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 4-5-8 and 9, marked on brass cap, T 10 S S 5 in NW., R 18 E S 4 in NE., S 9 in SE. and S 8 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS

	N. $89^{\circ}57'$ W., on a random line, bet. secs. 5 and 8.
40.00	Set temp. $\frac{1}{2}$ sec.cor.
79.90	Intersect N. and S.line, 3 lks.N. of the cor.of secs. 5-6-7 and 8.
	Thence I run
	S. $89^{\circ}58'$ E., on a true line,
	Bet. secs. 5 and 8.
	Descend over rolling land, through sparse undergrowth.
1.10	Hollow, 50 ft. deep, course N.
	Ascend.
21.00	Ridge, bears NE. and SW.
	Descend.
34.00	Head of hollow, course S.
	Ascend.
37.50	Spur, projects S.
	Descend.
39.95	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 5 on N. half, S 8 on S.half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
	Pits impracticable.
	Descend in bottom of hollow, course E.
53.50	Leave hollow, course from W.to SE.
	Ascend.
55.50	Spur, projects S.
	Descend.
60.00	Bend in hollow, 75 ft. deep, course from SW.to SE.
	Ascend.
65.00	Spur, projects S.
	Descend.
70.50	Same hollow, 75 ft. deep, course NE.
	Ascend.
77.90	Spur, projects N.
	Descend.
79.90	The cor.of secs. 4-5-8 and 9.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
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40.00	N.0°01'E., on a random line, bet. secs. 4 and 5. Set temp. $\frac{1}{4}$ sec.cor.
79.84	Intersect N.bdy. of Tp., 3 lks.W. of the cor.of secs. 4-5-32 and 33, heretofore described. Thence I run
	S.0°02'W., on a true line, Bet. secs. 4 and 5.
	Ascend over rolling land, through sparse undergrowth.
19.00	Ridge, bears NE. and SW.
	Descend..
22.00	Head of hollow, course SE.
	Ascend.
34.00	Spur, projects SE.
	Descend.
39.75	Hollow, 75 ft. deep, course NE.
	Ascend.
39.84	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 5 on W. half, S 4 on E.half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W.of cor. Pits impracticable.
48.50	Spur, projects E.
	Descend.
53.50	Hollow, 50 ft. deep, course E.
	Ascend.
58.00	Spur, projects NE.
	Descend.
64.00	Hollow, 60 ft. deep, course NE.
	Ascend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
69.00	Spur, projects NE. Descend.
74.00	Hollow, 75 ft. deep, course NE. Ascend.
79.84	The cor. of secs. 4-5-8 and 9. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	July 12, 1910
	July 13: At 8h.05m., a.m., l.m.t., I set off $39^{\circ}54'N.$ on lat. arc, $21^{\circ}56'N.$ on decl. arc, and determine a meridian with the solar at the stan.cor. of secs. 33 and 34, on the 2nd. Stan. Par.S., which is an iron post, 3 ins. dia., projecting 12 ins. above the ground, marked and witnessed as described by the surveyor general. Thence I run N. $0^{\circ}02'E.$, bet. secs. 33 and 34. Descend abruptly over rocky and mountainous land.
7.00	Hollow, 150 ft. deep, course NE. Abrupt ascent.
22.00	Ridge, bears NE. and SW. Abrupt descent.
35.00	Hollow, 100 ft. deep, course NE. Abrupt ascent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 33 on W. half, S 34 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
41.25	Ridge, bears NE. and SW. Abrupt descent.
57.00	Hollow, 100 ft. deep, course NE.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Ascend.
61.50	Spur, projects E.
	Descend.
70.00	Hollow, 100 ft. deep, course E.
	Abrupt ascent.
74.00	Spur, projects E.
	Abrupt descent.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 27-28-33 and 34, marked on brass cap, T 10 S S 28 in NW., R 18 E S 27 in NE., S 34 in SE. and S 33 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Note: On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	No timber.
	Mountainous land on 80.00 chs.
	West, on a random line, bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
79.94	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 28-29-32 and 33.
	Thence I run N. $89^{\circ}59' E.$, on a true line, Bet. secs. 28 and 33.
	Ascend over rolling and rocky land, through sparse undergrowth.
16.00	Spur, projects NW.
	Descend.
36.00	Hollow, 75 ft. deep, course NE.
	Ascend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
39.97	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 28 on N. half, S 33 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
68.00	Ridge, bears NE. and SW. Descend.
74.00	Hollow, 75 ft. deep, course NE. Ascend.
78.00	Spur, projects N. Descend.
79.94	The cor. of secs. 27-28-33 and 34. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shadscale, sage brush and bunch grass. July 13: At this cor. I set off $21^{\circ}54'$ N. on decl. arc; and at 12h. 05m. p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $39^{\circ}55'$ N.
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	N. $0^{\circ}02'$ E., bet. secs. 27 and 28.
	Descend, abruptly over rocky and mountainous land.
0.50	Hollow, 100 ft. deep, course SE. Abrupt ascent.
4.70	Ridge, bears E. and W. Descend, abruptly.
22.00	Hollow, 500 ft. deep, course E. Abrupt ascent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 28 on W. half, S 27 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
49.60	Ridge, bears E. and W. Descend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
65.00	Hollow, 150 ft. deep, course E. Abrupt ascent.
71.10	Spur, projects NE. Abrupt descent.
75.00	Hollow, 100 ft. deep, course SE. Abrupt ascent.
77.00	Spur, projects E. Abrupt descent.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 21-22-27 and 28, marked on brass cap, T 10 S S 21 in NW., R' 18 E S 22 in NE., S 27 in SE. and S 28 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Note: On account of natural obstacles it is impossible to set this post over 12 ins. in the ground. Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	No timber.
	Mountainous land on 80.00 chs.
	S. $89^{\circ}59'$ W., on a random line, bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
79.98	Intersect N. and S. line, 9 lks. S. of the cor. of secs. 20-21-28 and 29. Thence I run S. $89^{\circ}57'$ E., on a true line, Bet. secs. 21 and 28.
	Ascend over rolling and rocky land, through sparse undergrowth.
6.50	Spur, projects NE. Descend.
11.00	Hollow, 50 ft. deep, course NE.

SUBDIVISIONS OF T.10 S., R.18 W.

CHAINS	
	Ascend.
39.99	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 on N. half, S 28 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
45.00	Ridge, bears NE. and SW.
	Descend.
69.00	Hollow, 75 ft. deep, course NE.
	Ascend.
79.98	The cor. of secs. 21-22-27 and 28.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

N.0°02'E., bet. secs. 21 and 22.

	Descend over rolling land, through sparse undergrowth.
3.00	Hollow, 100 ft. deep, course E.
	Ascend..
3.50	Spur, projects E. Descend..
4.00	Hollow, 125 ft. deep, course SE. Ascend.
20.00	Ridge, bears E. and W.
	Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 on W. half, S 22 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
52.75	Hollow, 50 ft. deep, course NE.
	Ascend.
58.00	Ridge, bears NE. and SW.
	Descend.
67.00	Hollow, 50 ft. deep, course NE.
	Ascend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
72.00	Spur, projects NE. Descend.
76.00	Hollow, 50 ft. deep, course NE. Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 15-16-21 and 22, marked on brass cap, T 10 S S 16 in NW., R 18 E S 15 in NE., S 22 in SE. and S 21 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.

July 13, 1910

July 14: At 8h.06m., a.m., l.m.t., I set off $39^{\circ}56'$ N. on lat. arc, $21^{\circ}47'$ N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 15-16-21 and 22.

Thence I run

N. $89^{\circ}57'$ W., on a random line, bet. secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 16-17-20 and 21.

Thence I run

S. $89^{\circ}55'$ E., on a true line,

Bet. secs. 16 and 21.

Ascend over rolling land, through sparse undergrowth.

Ridge, bears NE. and SW.

Descend.

40.01 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 16 on N. half, S 21 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Pits impracticable.
53.00	Hollow, 50 ft. deep, course NE.
	Ascend.
68.00	Ridge, bears NE. and SW.
	Descend.
71.00	Head of hollow, course SE.
	Ascend.
75.50	Spur, projects S.
	Descend.
80.02	The cor. of secs. 15-16-21 and 22.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	 N.0°02'E., bet. secs. 15 and 16.
	Ascend over rolling land, through sparse undergrowth.
6.00	Ridge, bears NE. and SW.
	Descend.
19.75	Hollow, 50 ft. deep, course NE.
	Ascend.
22.00	Spur, projects E.
	Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 16 on W. half, S 15 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor..
	Pits impracticable.
40.75	Hollow, 50 ft. deep, course NE.
	Ascend.
47.00	Ridge, bears NE. and SW.
	Descend.
70.00	Hollow, 60 ft. deep, course NE.
	Ascend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
80.00	<p>Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, for cor. of secs. 9-10-15 and 16, marked on brass cap, T 10 S S 9 in NW.,</p> <p>R 18 E S 10 in NE.,</p> <p>S 15 in SE. and S 16 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Pits impracticable.</p> <p>Land, rolling.</p> <p>Soil, rocky, 3rd. rate.</p> <p>No timber.</p> <p>Undergrowth, sage scale, sage brush and bunch grass.</p> <hr/>
40.00	N. $89^{\circ}55'W.$, on a random line, bet. secs. 9 and 16.
79.94	<p>Set temp. $\frac{1}{2}$ sec. cor.</p> <p>Intersect N. and S. line, 3 lks. N. of the cor. of secs. 8-9-16 and 17.</p> <p>Thence I run</p> <p style="padding-left: 40px;">S.$89^{\circ}56'E.$, on a true line,</p> <p style="padding-left: 40px;">Bet. secs. 9 and 16.</p> <p>Ascend over rolling land, through sparse undergrowth.</p>
17.00	<p>Spur, projects S.</p> <p>Descend.</p>
39.97	<p>Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 9 on N. half, S 16 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.</p> <p>Pits impracticable.</p>
47.00	<p>Enter bottom of hollow, 75 ft. deep, course NE.</p> <p>Over level land.</p>
70.00	Leave hollow.
	Ascend.
77.00	Spur, projects NE.
	Descend.
79.94	The cor. of secs. 9-10-15 and 16.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Land, rolling and level.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	July 14: At this cor. I set off $21^{\circ}45'N.$ on decl. arc, and at 12h.06m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is. $39^{\circ}57'N.$
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	N. $0^{\circ}02'E.$, bet. secs. 9 and 10.
	Ascend over rolling land, through sparse undergrowth.
2.85	Ridge, bears NE. and SW.
	Descend.
5.00	Enter bottom of hollow, 75 ft. deep, course NE.
	Over level land.
21.00	Leave hollow.
	Ascend.
27.00	Spur, projects E.
	Descend.
37.00	Hollow, 50 ft. deep, course E.
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S. 9$ on W. half, S 10 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
41.00	Spur, projects E.
	Descend.
43.50	Hollow, 75 ft. deep, course E.
	Ascend.
50.00	Spur, projects E.
	Descend.
53.00	Hollow, 75 ft. deep, course E.
	Ascend.
57.75	Spur, projects E.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Descend.
62.00	Hollow, 50 ft. deep, course NE.
	Ascend.
66.50	Spur, projects E.
	Descend.
70.50	Hollow, 75 ft. deep, course E.
	Ascend.
79.00	Ridge, bears E. and W.
	Descend.
80.00	Set an iron post, 3 ft. long. 2 ins. dia., 24 ins. in the ground, for cor. of secs. 3-4-9 and 10, marked on brass cap, T 10 S S 4 in NW., R 18 E S 3 in NE., S 10 in SE. and S 9 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	N. $89^{\circ}56'$ W., on a random line, bet. secs. 4 and 9.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
79.96	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 4-5-8 and 9.
	Thence I run
	S. $89^{\circ}58'$ E., on a true line,
	Bet. secs. 4 and 9.
	Descend over rolling land, through sparse undergrowth.
0.50	Hollow, 50 ft. deep, course N.
	Ascend.
7.50	Ridge, bears NE. and SW.
	Descend.
18.25	Hollow, 30 ft. deep, course S.
	Ascend.

SUBDIVISIONS OF T.10 S., R.16 E.

CHAINS	
29.00	Spur, projects SE., Descend.
33.00	Hollow, 75 ft. deep, course NE. Ascend.
39.98	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 4 on N. half, S 9 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
79.96	The cor. of secs. 3-4-9 and 10. Land, rolling. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shade scale, sage brush and bunch grass.
	N. 0°02' E., on a random line, bet. secs. 3 and 4.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
79.94	Intersect N. bdy. of Tp., 9 lks. E. of the cor. of secs. 3-4-33 and 34, heretofore described. Thence I run S. 0°02' E., on a true line, Bet. secs. 3 and 4.
	Ascend over rolling land, through sparse undergrowth.
8.00	Ridge, bears E. and W. Descend.
11.00	Hollow, 50 ft. deep, course SE. Ascend.
20.00	Spur, projects E. Descend.
24.00	Hollow, 40 ft. deep, course NE. Ascend.
27.00	Spur, projects E. Descend.
35.00	Hollow, 60 ft. deep, course NE. Ascend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
38.00	Spur, projects NE. Descend.
39.94	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 4 on W. half, S 3 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
40.50	Hollow, 60 ft. deep, course E. Ascend.
45.00	Spur, projects NE. Descend.
56.00	Hollow, 75 ft. deep, course NE. Ascend.
79.94	The cor. of secs. 3-4-9 and 10. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	July 14, 1910
	July 15: At 8h.06m., a.m., l.m.t., I set off $39^{\circ}54'N.$ on lat. arc, $21^{\circ}38'N.$ on decl. arc, and determine a meridian with the solar at the standard cor. of secs. 34 and 35, on the 2nd. Stan. Par. South, which is an iron post, 3 ins. dia., projecting 12 ins. above the ground, marked and witnessed as described by the surveyor general. Thence I run N. $0^{\circ}03'E.$, bet. secs. 34 and 35. Ascend abruptly over broken ledges, and mountainous land. Sandstone spur, projects NE. Abrupt descent over sandstone ledges. Foot of ledges, bearing NW. and SE. Descend over rocky bottom land, through dense undergrowth. To right bank of Green River.
6.00	
27.00	
35.18	

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 34 and 35, marked on brass cap, T 10 S R 18 E on N. half, and MC S 34 S 35 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. Pits impracticable. Land, mountainous and bottom land. Soil, rocky, 3rd. and 4th. rate. No timber. Undergrowth, greasewood brush. Mountainous land or dense undergrowth on 35.18 chs.
0.25	From the cor. of secs. 27-28-33 and 34, I run East, on a true line, bet. secs. 27 and 34. Descend over mountainous land and broken sandstone ledge Hollow, 100 ft. deep, course SE. Abrupt ascent.
4.50	Rocky spur, projects S. Descend.
10.25	Hollow, 60 ft. deep, course S. Ascend.
12.10	Rocky spur, projects S. Descend abruptly along steep, south slope over solid sandstone ledges.
40.00	Falls on the steep south slope of the solid sandstone ledges, impossible to set.
56.00	Foot of ledges, 500 ft. below sec. cor., bears NE. and SW. Abrupt descent over shale ledges.
56.90	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap, T 10 S R 18 E W C $\frac{1}{4}$ S 27 on N. half, and S 34 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS

59.50

Foot of abrupt descent, bears N. and S.

Leave rocky land.

Descend through dense undergrowth over bottom land.

69.64

To right bank of Green River.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 27 and 34, marked on brass cap, T 10 S R 18 E on N. half, S 27 & S 34 MC on W. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous and bottom land.

Soil, rocky, 4th. rate on 59.50 chs.

balance, loam, 1st. rate.

No timber.

Undergrowth, greasewood brush.

Mountainous land or dense undergrowth on 69.64 chs.

From the cor. of secs. 21-22-27 and 28, I run

East, on a true line, bet. secs. 22 and 27.

Descend abruptly over mountainous land and broken sandstone ledges.

4.15

Hollow, 125 ft. deep, course SE.

Abrupt ascent along steep, south slope.

40.00

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 22 on N. half, S 27 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

52.00

Rocky spur, projects SW.

Abrupt descent.

Hollow, 600 ft. deep, course SW.

Abrupt ascent.

80.00

On top of rocky spur, projects SW.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS

ground, for cor. of secs. 22-23-26 and 27, marked on brass cap, T 10 S S 22 in NW.,
 R 18 E S 23 in NE.,
 S 26 in SE. and S 27 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. pits impracticable.
 Land, mountainous.
 Soil, rocky, 3rd. rate.
 No timber.
 Mountainous land on 80.00 chs.
 July 15: At this cor. I set off $21^{\circ}36' N.$ on decl. arc, and at 12h. 06m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is $39^{\circ}56' N.$

8.00

From the cor. of secs. 22-23-26 and 27, I run
 S. $0^{\circ}03' W.$, bet. secs. 26 and 27.

Descend abruptly over rocky and mountainous land.

Foot of abrupt descent, bears E. and W.

Gradual descent over rocky land, through dense undergrowth to right bank of Green River.

30.06

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 26 and 27, marked on brass cap, T 10 S R 18 E S 26 S 27 MC on N. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. pits impracticable.

Land, mountainous and bottom land.

Soil, rocky, 3rd. and 4th. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

Mountainous land or dense undergrowth on 30.06 chs.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS

East, on true line, bet. secs. 23 and 26.

Descend along steep, south slope, over solid sandstone ledges.

20.32

To right bank of Green River.

Point for cor. falls on a sandstone boulder, 8x6x6 ft. above ground.

I cut a cross (X), at exact point for meander cor. of frac'l. secs. 23 and 26, marked with 2 grooves on S. and MC on W. side of cross, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Note:

On account of natural obstacles it is impossible to set an iron post within a radius of 5.00 chs. of this point.

Land, mountainous.

Soil, rocky, 4th. rate.

No timber.

Mountainous land on 20.32 chs.

From the cor. of secs. 22-23-26 and 27, I run

N. 0°03' E., bet. secs. 22 and 23.

Descend abruptly over rocky and mountainous land.

5.50

Hollow, 500 ft. deep, course SW.

Abrupt ascent.

19.00

Sandstone spur, projects SE.

Abrupt descent.

26.00

Same hollow, 350 ft. deep, course SE.

Abrupt ascent.

29.50

Sandstone spur, projects SW.

Abrupt descent.

36.00

Same hollow, 200 ft. deep, course SW.

Abrupt ascent.

39.25

Rocky spur, projects SE.

Abrupt descent.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 22 on W. half, S 23 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
41.00	Same hollow, 150 ft. deep, course SE. Abrupt ascent.
54.30	Ridge, bears E. and W. Descend.
63.50	Hollow, 50 ft. deep, course NW. Ascend.
66.75	Ridge, bears NW. and SE. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 14-15-22 and 23, marked on brass cap, T 10 S S 15 in NW., R 18 E S 14 in NE., S 23 in SE. and S 22 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. No timber. Mountainous land on 80.00 chs.
	July 15, 1910
	July 16: At 8h.06m, a.m., l.m.t., I set off $39^{\circ}56'N.$ on la arc, $21^{\circ}28'N.$ on decl. arc, and determine a meridian with t solar at the cor. of secs. 14-15-22 and 23. Thence I run west, on a random line, bet. secs. 15 and 22. 40.00 Set temp. $\frac{1}{4}$ sec. cor. 80.02 Intersect N. and S. line, 12.1ks. N. of the cor. of secs. 15-16-21 and 22.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Thence I run N. $89^{\circ}55' E.$ on a true line, Bet. secs. 15 and 22.
	Descend over rolling land, through sparse undergrowth.
10.00	Hollow, 60 ft. deep, course NE. Ascend.
31.00	Spur, projects NE. Descend.
39.50	Hollow, 50 ft. deep, course NE. Ascend.
40.01	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 15 on N. half, S 22 on S. half, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. or cor. Pits impracticable.
41.00	Spur, projects N. Descend.
60.00	Hollow, 50 ft. deep, course NW. Ascend.
64.25	Ridge, bears NE. and SW. Descend.
75.00	Hollow, 50 ft. deep, course N. Ascend.
79.00	Spur, projects N. Descend.
80.02	The cor. of secs. 14-15-22 and 23. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shrub, sage brush and bunch grass.
	N. $0^{\circ}03' E.$, bet. secs. 14 and 15. Descend over rolling land, through sparse undergrowth. Hollow, 60 ft. deep, course NW. Ascend.
1.75	

SUBDIVISIONS OF T. 10 S., R. 18 E.

CHAINS

6.00	Spur, projects W. Descend.	
12.50	Hollow, 60 ft. deep, course NE. Ascend.	
17.50	Spur, projects NE. Descend.	
35.00	Hollow, 75 ft. deep, course NE. Ascend.	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, T-S 15 on W. half, S 14 on E. half, and raise a mound of stone, 2 ft. base 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.	
71.00	Ridge, bears E. and W. Descend.	
77.00	Head of hollow, course NE. Ascend.	
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 10-11-14 and 15, marked on brass cap, T 10 S 10 in NW., T 11 S 11 in SW., T 14 S 14 in SE. and S 15 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling.	
	Soil, rocky, 3rd. rate.	
	No timber.	
	Undergrowth, shad scale, sage brush, and bunch grass.	
	S. 89° 55' W., on a random line, bet. secs. 10 and 15.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
79.98	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 9-10-15 and 16. Thence I run N. 89° 56' E., on a true line,	

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Bet. secs. 10 and 15.
15.00	Descend over rolling land, through sparse undergrowth. Hollow, 60 ft. deep, course NE.
	Ascend.
25.75	Spur, projects NE. Descend.
33.10	Hollow, 50 ft. deep, course NE. Ascend.
38.00	Spur, projects N. Descend.
39.99	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10 on N. half, S 15 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
42.00	Hollow, 50 ft. deep, course N. Ascend.
77.00	Ridge, bears NE. and SW. Descend.
79.98	The cor. of secs. 10-11-14 and 15. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass. July 16: At this cor. I set off $21^{\circ}26'$ N. on decl. arc, and at 12h.. 06m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $39^{\circ}57'$ N.
2.50	N. 0°03' E., bet. secs. 10 and 11. Ascend over rolling land, through sparse undergrowth. Ridge, bears NE. and SW. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10 on W. half, S 11 on E. half, and raise a mound of stone, 2 ft. base

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	1½ ft. high, W. of cor.
	Pits impracticable.
45.00	Enter bottom of hollow, 75 ft. deep, course NE.
53.00	Leave hollow.
	Ascend.
68.00	Spur, projects SE.
	Descend.
72.00	Head of hollow, course SE.
	Ascend.
77.00	Ridge, bears E. and W.
	Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 2-3-10 and 11, marked on brass cap, T 10 S S 3 in NW., R 18 E S 2 in NE., S 11 in SE. and S 10 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Note: On account of natural obstacles it is impossible to set this post over 12 ins. in the ground, Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	S. 89° 56' W., on a random line, bet. secs. 3 and 10.
40.00	Set temp. ½ sec. cor.
79.96	Intersect N. and S. line, 14 lks. S. of the cor. of secs. 3-4-9 and 10. Thence I run
	S. 89° 58' E., on a true line, Bet. secs. 3 and 10.
	Ascend over rolling land, through sparse undergrowth.
3.00	Ridge, bears NE. and SW.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Descend.
10.25	Hollow, 60 ft. deep, course SE.
	Ascend.
13.50	Rocky spur, projects S.
	Descend.
19.00	Hollow, 75 ft. deep, course S.
	Ascend.
28.00	Bend in ridge, bears NE. and NW.
	Descend.
36.50	Head of hollow, course SE.
	Ascend.
39.98	Set a sandstone, 24x12x5 ins., in mound of stone and earth, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
	Note: On account of natural obstacles it is impossible to set an iron post, within a radius of 10.00 chs. of this point.
41.00	Spur, projects SE.
	Descend.
55.00	Hollow, 75 ft. deep, course S.
	Ascend.
70.50	Ridge, bears N. and S.
	Descend.
75.50	Hollow, 40 ft. deep, course NE.
	Ascend.
79.96	The cor. of secs. 2-3-10 and 11. Land, rolling. Soil, sandy and rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	N. $0^{\circ}03'$ E., on a random line, bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N.bdy.of Tp., 9 lks.E. of the cor.of secs. 2-3-34 and 35, heretofore described. Thence I run
	S. $0^{\circ}01'$ E., on a true line, Bet. secs. 2 and 3.
	Ascend over rolling land, through sparse undergrowth.
6.00	Ridge, bears E. and W.
	Abrupt descent.
23.00	Hollow, 100 ft. deep, course NE.
	Ascend.
40.02	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 3 on W. half, S 2 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
59.00	Ridge, bears NE. and SW.
	Descend.
72.00	Hollow, 60 ft. deep, course NE.
	Ascend.
80.02	The cor.of secs. 2-3-10 and 11.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	July 16, 1910
	July 17: At 8h.06m., a.m., l.m.t., I set off $39^{\circ}56'$ N. on lat. arc, $21^{\circ}18'$ N. on decl. arc, and determine a meridian with the solar at the cor.of secs. 19-24-25 and 30, heretofore described on the E.bdy.of the Tp.
	Thence I run
	West, on a true line, bet. secs. 24 and 25.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Over level bottom land, through dense undergrowth and scattering timber.
16.50.	Leave bottom land, bears NE. and SW. Begin abrupt ascent over broken ledges and boulders.
21.22	Point for witness cor. Falls on a sandstone boulder, 10x4x3 ft. above ground, I cut a cross (X), at exact point for witness cor. to $\frac{1}{4}$ sec.cor., marked WC $\frac{1}{4}$ on N. side of cross and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
	Note: On account of natural obstacles it is impossible to set an iron post, within required distance of true point for $\frac{1}{4}$ sec.cor.
23.00	Begin abrupt ascent over solid sandstone ledges, bearing NE. and SW.
40.00	Point for $\frac{1}{4}$ sec.cor. falls on the solid sandstone, impossible to set.
53.00	Sandstone spur, projects S. Abrupt descent along steep, south slope.
64.00	Foot of sandstone ledges, bearing NW. and SE. Descend abruptly over rocky land.
71.00	Foot of abrupt descent and rocky land, bears NW. and SE. Over level bottom land.
72.75	To east side of slough, bears NW. and SE.
80.00	To point for cor. of secs. 23-24-25 and 26. As this point is under water the greater part of the year, I witness this cor. as follows: At a point S.0°03'W., 7.90 lks. dist., from true point for cor., I set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for witness cor. to cor. of secs. 23-24-25 and 26, marked on brass cap, + WC on N. half, T 10 S S 23 in NW., R 18 E S 24 in NE., S 25 in SE. and S 26 in SW. quadrant, from which

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	A cottonwood, 12 ins. diam., bears S.55°E., 46 lks. dist., marked WC T 10 S R 18 E S 25 BT.
	A cottonwood, 15 ins. diam., bears S.22°30'W., 28 lks. dist., marked WC T 10 S R 18 E S 26 BT.
	No other trees within limits, dig pits, 18x18x12 ins., in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, bottom land and mountainous.
	Soil, loam, 1st. rate on 18.25 chs. subject to over flow, on 7.25 chs.
	balance, rocky, 4th. rate.
	Timber, cottonwoods along river bank.
	Mountainous land or dense undergrowth on 72.75 chs.
	From the point for cor. of secs. 23-24-25 and 26, I run S.0°03'W., bet. secs. 25 and 26.
	Over level bottom land, in slough.
7.90	S. edge of slough, bears NW. and SE., and the witness cor. to cor. of secs. 23-24-25 and 26.
8.40	Enter scattering timber.
11.42	To right bank of Green River. Set a sandstone, 24x12x4 ins., 18 ins. in the ground, for meander cor. of fract. secs. 25 and 26, marked MC on S. side and 1 groove on E. side, from which
	A cottonwood, 30 ins. diam., bears N.82°E., 84 lks. dist., marked T 10 S R 18 E S 25 M C B T.
	A cottonwood, 7 ins. diam., bears S.79°W., 35 lks. dist. marked T 10 S R 18 E S 26 MC BT.
	Note: On account of the sandy character of the soil on the beach it was deemed impracticable to set an iron post for meander cor.
	Land, level.
	Soil, loam and sandy, 1st. and 2nd. rate. subject to over flow on 7.90 chs.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Timber, scattering cottonwoods.
	From the point for cor. of secs. 23-24-25 and 26, I run West, bet. secs. 23 and 26.
9.00	Over level bottom land, in slough. West side of slough, bears NW. and SE.
16.00	Enter dense undergrowth. Enter scattering timber.
20.40	To right bank of Green River. Set a sandstone, 20x8x5 ins., 15 ins. in the ground, for meander cor. of fract. secs. 23 and 26, marked MC on W. face, and 2 grooves on S. face, from which A cottonwood, 5 ins. diam., bears S. 34°W., 58 lks. dist. marked T. 10 S R 18 E S 26 MC BT. A cottonwood, 8 ins. diam., bears N. 41°W., 22 lks. dist., marked T. 10 S R 18 E S 23 BT.
	Note: On account of the shifting sandy soil along the beach it was deemed impracticable to set an iron post for meander cor.
	Land, level.
	Soil, loam and sandy, 1st. and 2nd. rate. subject to over flow, on 9.00 chs.
	Undergrowth, greasewood and willows.
	Timber, scattering cottonwoods.
	July 17: At this cor. I set off 21°17'N. on decl. arc, and at 12h..06m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is 39°56'N.
	From the point for cor. of secs. 23-24-25 and 26, I run N. 0°03'E., bet. secs. 23 and 24.
9.10	Over level bottom land, in slough. North side of slough, bears SE. and W.
12.00	Leave bottom land, bears E. and W. Begin abrupt ascent over sandstone ledges.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
16.00	Ridge, bears E. and W., 400 ft. above sec.cor. Descend.
20.00	Head of hollow, course NE. Ascend.
23.00	Ridge, bears NE. and SW. Abrupt descent.
32.00	Hollow, 150 ft. deep, course NE. Abrupt ascent.
37.50	Spur, projects NE. . Abrupt descent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 23 on W. half, S 24 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor. Pits impracticable.
42.00	Hollow, 75 ft. deep, course E. Ascend.
44.00	Spur, projects E. Descend.
46.00	Hollow, 75 ft. deep, course E. Ascend.
73.50	Spur, projects E. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor.of secs.13-14-23 and 24, marked on brass cap, T 10 S S 14 in NW., R 18 E S 13 in NE., S 24 in SE. and S 23 in SW.quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor. Pits impracticable. Land, level and mountainous. Soil, loam, 1st. and 2nd. rate on 12.00 chs. subject to over flow, 9.10 chs. balance, rocky, 3rd. and 4th. rate.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	No timber.
	Mountainous land on 68.00 chs.
	West, on a random line, bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line, at the cor. of secs. 14-15-22 and 23. Thence I run
	East, on a true line, bet. secs. 14 and 23.
	Descend over rolling land, through sparse undergrowth.
19.50	Hollow, 50 ft. deep, course N..
	Ascend.
23.00	Ridge, bears NE. and SW.
	Descend.
34.00	Hollow, 60 ft. deep, course NE..
	Ascend.
37.00	Spur, projects N..
	Descend.
39.00	Hollow, 60 ft. deep, course N..
	Ascend.
40.03	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 14 on N. half, S 23 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
61.00	Ridge, bears NE. and SW.
	Descend.
69.00	Hollow, 75 ft. deep, course NE..
	Ascend.
75.00	Spur, projects NE..
	Descend.
80.06	The cor. of secs. 13-14-23 and 24.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	East, on a random line, bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect E. bdy. of Tp., 3 lks. N. of the cor. of secs. 13-18-19 and 24, heretofore described. Thence I run N. $89^{\circ}59'W.$, on a true line, Bet. secs. 13 and 24.
	Descend abruptly over rocky and mountainous land.
3.00	Hollow, 100 ft. deep, course SW.
	Ascend along N. slope.
6.00	Begin descent along S. slope.
29.00	Hollow, 150 ft. deep, course SE.
	Abrupt ascent.
39.00	Spur, projects NE.
	Descend.
40.02	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 13 on N. half, S 24 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
45.00	Hollow, 60 ft. deep, course NE.
	Ascend.
53.00	Spur, projects S.
	Descend.
64.00	Hollow, 75 ft. deep, course SE.
	Ascend.
80.02	The cor. of secs. 13-14-23 and 24. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. No timber. Mountainous land on 80.02 chs.
	July 17, 1910.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	July 18: At 8h.05m., a.m., l.m.t., I set off $39^{\circ}56'N$.on lat. arc, $21^{\circ}08'N$.on decl.arc, and determine a meridian with the solar at the cor.of secs.13-14-23 and 24. Thence I run
	N. $0^{\circ}03'W$., bet.secs.13 and 14.
	Descend over rolling land, through sparse undergrowth.
8.00	Hollow, 75 ft. deep, course E.
	Ascend.
37.00	Ridge, bears NE. and SW.
	Descend.
40.00	Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4} S 14$ on W. half, S 13 on E. half, and raise a mound of stone, 2 ft.base $1\frac{1}{2}$ ft. high, W.of cor. Pits impracticable.
46.00	Hollow, 50 ft. deep, course SW.
	Ascend.
51.00	Spur, projects SW.
	Descend.
68.00	Hollow, 75 ft. deep, course NE.
	Ascend.
80.00	On top of spur, projects NE. Set an iron post, 3 ft. long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.11-12-13 and 14, marked on brass cap, T 10 S S 11 in NW., R 18 E S 12 in NE., S 13 in SE. and S 14 in SW.quadrant, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft. high, W.of cor. Pits impracticable.
	Land, rolling.
	Soil, rocky, 3rd.rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	West on a random line, bet. secs. 11 and 14.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line. 3 lks. S. of the cor. of secs. 10-11-14 and 15. Thence I. run S. $89^{\circ}59' E.$, on a true line, Bet. secs. 11 and 14.
	Descend over rocky and mountainous land.
4.00	Hollow, 75 ft. deep, course NE.
	Ascend.
6.00	Spur, projects NE.
	Descend.
11.00	Hollow, 75 ft. deep, course NE.
	Ascend.
15.00	Spur, projects N.
	Descend.
17.50	Hollow, 100 ft. deep, course N.
	Ascend.
20.00	Spur, projects N.
	Descend.
22.00	Hollow, 100 ft. deep, course N.
	Ascend.
27.00	Spur, projects NE.
	Descend.
36.00	Hollow, 100 ft. deep, course NE.
	Ascend.
40.02	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 on N. half, S 14 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
42.00	Spur, projects NE.
	Descend.
46.25	Hollow, 75 ft. deep, course NE.
	Ascend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
48.00	Spur, projects NE. Descend.
52.50	Hollow, 50 ft. deep, course NE. Ascend.
55.00	Spur, projects NE. Descend.
69.00	Hollow, 40 ft. deep, course NE. Ascend.
80.04	The cor. of secs. 11-12-13 and 14. Land, mountainous. Soil, rocky, 3rd. rate. No timber. Mountainous land on 80.04 chs.
40.00	S. 89° 59' E., on a random line, bet. secs. 12 and 13. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect E. bdy. of Tp., 12 lks. N. of the cor. of secs. 7-12-13 and 18, heretofore described. Thence I run
	N. 89° 54' W., on a true line, Bet. secs. 12 and 13.
8.00	Descend abruptly over rocky and mountainous land. Hollow, 75 ft. deep, course NW. Ascend.
16.00	Spur, projects NW. Descend.
26.00	Hollow, 100 ft. deep, course SW. Abrupt ascent.
40.04	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 12 on N. half, S 13 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
52.00	Spur, projects NE. Descend.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
64.00	Hollow, 100 ft. deep, course NE. Abrupt ascent.
80.04	The cor. of secs. 11-12-13 and 14. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. No timber. Mountainous land on 80.04 chs.
	July 18: At this cor. I set off $21^{\circ}06'N.$ on decl. arc, and at 12h. 06m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is $39^{\circ}57'N.$
	$N.0^{\circ}03'E.$, bet. secs. 11 and 12.
11.00	Descend over rocky and mountainous land, through sparse undergrowth.
25.00	Hollow, 75 ft. deep, course E. Ascend.
30.00	Spur, projects E. Descend.
37.00	Hollow, 60 ft. deep, course E. Ascend.
40.00	Spur, projects E. Descend.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 on W. half, S 12 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
45.25	Pits impracticable.
50.50	Hollow, 75 ft. deep, course SE. Ascend.
57.00	Spur, projects E. Descend.
76.00	Hollow, 100 ft. deep, course SE. Ascend.
	Spur, projects SE.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 1-2-11 and 12, marked on brass cap, T 10 S S 2 in NW., R 18 E S 1 in NE., S 12 in SE. and S 11 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	Mountainous land on 80.00 chs.
	<hr/>
40.00	N. $89^{\circ}59'W.$, on a random line, bet. secs. 2 and 11. Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line, 9 lks. N. of the cor. of secs. 2-3-10 and 11. Thence I run
	N. $89^{\circ}57'E.$, on a true line, bet. secs. 2 and 11.
	Ascend over rocky and mountainous land, through sparse undergrowth.
7.60	Ridge, bears NE. and SW. Abrupt descent along steep, south slope.
39.96	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 2 on N. half, S 11 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
45.00	Enter bottom of wide hollow, 100 ft. deep, course NE.
55.00	Along S. side of same hollow, course E.
68.00	Leave hollow, course SE.
	Ascend.
74.00	Spur, projects SE.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Descend.
79.92	The cor. of secs. 1-2-11 and 12.
	Land, mountainous.
	soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	S. $89^{\circ}54' E.$, on a random line, bet. secs. 1 and 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect E. bdy. of Tp., 9 lks. S. of the cor. of secs. 1-6-7 and 12, heretofore described.
	Thence I run
	N. $89^{\circ}58' W.$, on a true line,
	Bet. secs. 1 and 12.
	Ascend abruptly over broken ledges and mountainous land
10.90	Ridge, bears NE. and SW.
	Abrupt descent.
32.00	Hollow, 150 ft. deep, course NE.
	Abrupt ascent.
40.08	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 1 on N. half, S 12 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
45.00	Ridge, bears NE. and SW.
	Abrupt descent.
60.00	Hollow, 75 ft. deep, course SW.
	Ascend.
65.50	Spur, projects SE.
	Descend.
68.50	Hollow, 75 ft. deep, course SE.
	Ascend.
71.00	Spur, projects SE.
	Descend.

.SUBDIVISIONS OF T.10 S., R. 18 E.

CHAINS	
76.00	Hollow, 75 ft. deep, course SE. Abrupt ascent.
80.08	The cor. of secs. 1-2-11 and 12. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. No timber. Mountainous land on 80.08 chs.
40.00	N.0°03'E., on a random line, bet. secs. 1 and 2. Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. bdy. of Tp., at the cor. of secs. 1-2-35 and 36, heretofore described. Thence I. run S.0°03'W., on a true line, Bet. secs. 1 and 2. Ascend over rocky and mountainous land.
9.00	Spur, projects SW. Abrupt descent.
17.00	Hollow, 150 ft. deep, course E. Abrupt ascent.
21.00	Spur, projects E. Descend.
27.00	Hollow, 100 ft. deep, course NE. Abrupt ascent.
36.00	Spur, projects NE. Descend.
39.98	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 2 on w. half, S 1 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
40.35	Hollow, 75 ft. deep; course NE. Abrupt ascent.
68.00	Ridge, bears E. and W.

SUBDIVISIONS OF T.10 S., R.18 E.

CHAINS	
	Abrupt descent.
79.25	Hollow, 75 ft. deep, course E.
	Ascend.
79.98	The cor. of secs. 1-2-11 and 12.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	No timber.
	Mountainous land on 79.98 chs.

July 18, 1910

MEANDERS, T.10 S., R.18 E.

Meanders of the right bank of Green River, upstream.
 July 19: At 8h.06m., a.m., l.m.t., I set off $39^{\circ}54'N.$ on lat. arc, $20^{\circ}58'N.$ on decl. arc, and determine a meridian with the solar at the stan. meander cor. of fractl. sec. 35 on the 2nd. Stan. Par. S., which is an iron post, 3 ins. dia. projecting 12 ins. above the ground, marked and witnessed as described by the surveyor general.

Thence I run with meanders in sec. 35.

Along rocky beach, through dense undergrowth.

N. $47^{\circ}00'W.$, 7.20 chs. Bank, 10 ft. high.

N. $27^{\circ}50'W.$, 34.00 " To the meander cor. of fractl. secs. 34 and 35.

Land, river bottom.

Soil, rocky, 3rd. rate.

No timber.

Undergrowth, greasewood brush.

Dense undergrowth on 41.20 chs.

Thence in sec. 34.

Through dense undergrowth.

N. $46^{\circ}00'W.$, 8.00 chs., Bank 8 ft. high.

N. $21^{\circ}00'W.$, 6.00 "

N. $40^{\circ}15'W.$, 33.80 chs. To the meander cor. of fractl. secs.

MEANDERS, T.10 S., R.18 E.

27 and 34.

Land, river bottom.

Soil, sandy loam, 1st. rate.

No timber.

Undergrowth, greasewood.

Dense undergrowth on 47.80 chs.

Thence in sec. 27.

Through dense undergrowth.

N.22°00'W., .6.00 chs. Bank, 8 ft. high.

North 11.60 "

N.11°00'E. 29.00 "

N.62°00'E. 8.00 " To meander cor. of fract. secs. 26

and 27.

Land, river bottom.

Soil, loam, 1st. rate.

No timber.

Undergrowth, greasewood brush.

Dense undergrowth on 54.60 chs.

Thence in sec. 26, west side.

Through dense undergrowth.

N.51°00'E. 12.00 chs., bank 8 ft. high.

N.11°00'E. 14.00 "

N.44°00'E. 12.00 " At 4.00 chs. enter rocky land.

To meander cor. of fract. secs. 23 and
26.

Land, river bottom.

Soil, loam, 1st. rate on 34.00 chs.

balance, rocky, 3rd. and 4th. rate.

No timber.

Undergrowth, greasewood brush.

Dense undergrowth on 34.00 chs.

MEANDERS, T.10 S., R.18 E.

Thence in sec.23.

Along rocky beach.

N. $58^{\circ}00' E.$, 14.00 chs. Bank 8 ft. high. Enter scattering timber.

N. $80^{\circ}30' E.$ 11.00 " At 5.00 chs., leave rocky beach.

S. $61^{\circ}00' E.$ 19.00 chs. At 10.00 enter loose sand.

To meander cor.of fractl.secs.

23 and 26.

Land, rolling and river bottom.

Soil, rocky, 3rd. and 4th. rate on 19.00 chs.

balance, loam and sandy, 2nd. rate.

Timber, cottonwood.

July 19: At this cor. I set off $20^{\circ}55' N.$ on decl. arc, and at 12h.06m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is $39^{\circ}56' N.$

Thence in sec.26, east side.

Over sandy land, through scattering timber.

S. $60^{\circ}45' E.$, 23.40 chs. to meander cor.of fractl.secs.

25 and 26.

Land, river bottom.

Soil, sandy, 2nd. rate.

Timber, cottonwood.

Thence in sec.25.

Along sandy beach, bank 8 ft. high, through dense under-growth and scattering timber.

S. $77^{\circ}00' E.$, 6.00 chs.

S. $42^{\circ}00' E.$ 11.00 "

N. $77^{\circ}30' E.$ 22.00 "

N. $80^{\circ}00' E.$ 23.00 "

N. $69^{\circ}00' E.$ 24.00. " To meander cor.fractl.secs.25 and 30

on E.bdy.of Tp., heretofore described.

Land, river bottom.

Soil, sandy and loam, 1st. and 2nd. rate.

Timber, cottonwood.

Undergrowth, greasewood brush.

July 19, 1910

GENERAL DESCRIPTION OF T.10 S., R.18 E.

This township is situated on the west side of Green River and the surface is mountainous in the southern and eastern portions, nearly level in the northwestern portion and rolling on the balance.

The soil in the extreme northwestern portion is a sandy loam, capable of producing crops with irrigation while the balance of the township, not including the river bottom is rocky and unfit for any purpose other than grazing.

A rich loam is found along the river bottom of Green River, which cuts through the southeastern portion of the township, the soil is rich and capable of producing crops with irrigation.

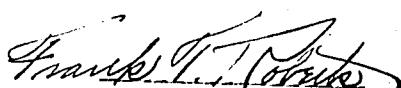
A dense growth of grease wood brush or willows is found on the river bottom and a fringe of cottonwood trees at intervals along the river bank.

The balance of the township is covered with a sparse growth of desert brush.

Other than the timber mentioned along the river bank there is no timber in this township.

Green River which flows through the south eastern portion of the township is the only water in this township.

There are no settlers or improvements in this township. There are no indications of coal, oil or minerals found in this township.



U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, Chainman.

For list of names and final oath of assistants see book "Z⁶", Chainman.

T. 10 S., R. 19 E.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 19_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z⁶" T. 10 S., R. 19 E.

..... of the meridian, in the of which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 19_____. }

○○○○○
○ SEAL ○
○○○○○

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 25, 1911

The foregoing field notes of the survey of the Subdivisional lines of Township No. 10 South, Range No. 18 East of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts
under his contract No. 318, dated January 15, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank T. Roberts
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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FIELD NOTES

OF THE SURVEY OF THE

E. A. S. T. and N. O. R. T. H. BOUNDARIES

of

TOWNSHIP NO. 9 SOUTH, RANGE NO. 18 EAST.

of the Salt Lake Base and Meridian,

in the state of Utah.

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 318, dated January 15, 1910

Survey commenced July 20, 1910

Survey completed July 22, 1910

L-10

Total 3.00 mds

with 5'7" o.s.

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooper, Chainman

Thomas Callahan, "

Thomas J. Garrod, Moundman

Claude L. Heist, "

John William Simpson, Axman

Claude Hume, Flagman

For preliminary affidavits see book "B" T. 10 S., R. 14 E.

INDEX DIAGRAM.

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 19 }



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 19 }



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

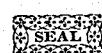
Subscribed and sworn to before me this }
day of , 19 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 19 }



EAST BOUNDARY OF T.9 S., R.18 E.

CHAINS

Survey commenced July 20, 1910, and executed with the instrument described in book "A", of this survey. I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of Tps. 9 and 10 S., Rs. 18 and 19 E., heretofore described in approximate lat. $39^{\circ}59'N.$, long. $109^{\circ}52'W.$, I set off $39^{\circ}59'N.$ on lat.arc, $20^{\circ}43'N.$ on decl.arc, and at 4h.06m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor.

At 11h.39m., p.m., l.m.t., I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg, driven in the ground, 5 chs. N. of my station.

July 20, 1910

July 21: At 7 a.m., I lay off the azimuth of Polaris, $1^{\circ}32'$ to the west and mark the meridian thus determined, by cutting a small groove in the stone set last evening, on which the meridian falls 0.2 ins. east of the mark determined by the solar.

At 8h.06m., a.m., l.m.t., I set off $39^{\circ}59'N.$ on lat.arc, $20^{\circ}36'N.$ on decl.arc, and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs. W. of my station; this mark falls 0.2 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about 0'11" west and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h.30m.,

EAST BOUNDARY OF T.9 S., R.18 E.

CHAINS

a.m., is N. $16^{\circ}30'W.$, the angle thus determined gives the mag.decl. $16^{\circ}30'E.$

From the Tp.cor., already described, I run
North, bet.secs.31 and 36.

Descend over rolling and rocky land, through sparse undergrowth.

40.00 Head of hollow, course W.

Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4} S 36$ on W. half, $S 31$ on E.half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft.high, W.of cor.

Pits impracticable.

Ascend.

43.00 Spur, projects W.

Descend.

55.00 Hollow, 75 ft.deep, course NE.

Ascend.

65.00 Ridge, bears E.and W.

Descend.

79.50 Hollow, 75 ft.deep, course NE.

Ascend.

80.00 Set an iron post, 3 ft.long, 3 ins.dia., 24 ins.in the ground, for cor.of secs.25-30-31 and 36, marked on brass cap, T 9 S on N.half,

R 18 E S 25 in NW.,

R 19 E S 30 in NE.,

S 31 in SE.and S 36 in SW.quadrant, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high, W.of cor.

Pits impracticable.

Land, rolling.

Soil, rocky, 3rd.rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

EAST BOUNDARY OF T.9 S., R.18 E.

CHAINS	
	North bet. secs. 25 and 30.
3.00	Ascend over rolling land, through sparse undergrowth. Ridge, bears NE. and SW.
	Descend.
15.50	Hollow, 50 ft. deep, course E. Ascend.
22.00	Ridge, bears NW. and SE. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 25 on w. half, S 30 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
40.50	Hollow, 50 ft. deep, course SE. Ascend.
48.40	Ridge, bears E. and W. Descend.
79.00	Hollow, 50 ft. deep, course E. Ascend.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 19-24-25 and 30, marked on brass cap, T 9 S on N. half, R 18 E S 24 in NW., R 19 E S 19 in NE., S 30 in SE. and S 25 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	North, bet. secs. 19 and 24. Ascend over rolling land, through sparse undergrowth. Spur, projects NE.
8.55	

EAST BOUNDARY OF T.9 S., R.18 E.

CHAINS

Descend.

14.00 Hollow, 50 ft. deep, course NE.

Ascend.

17.50 Spur, projects NE.

Descend.

23.00 Hollow, 50 ft. deep, course E.

Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 24 on W. half, S 19 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

80.00 Junction of ridges, bearing NW. and SW.

Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 13-18-19 and 24, marked on brass cap, T 9 S on N. half,
R 18 E S 13 in NW.,
R 19 E S 18 in NE.,
S 19 in SE. and S 24 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, rocky and sandy loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

North, bet. secs. 13 and 18.

Gradual descent over gently rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 13 on W. half, S 18 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the

EAST BOUNDARY OF T. 9 S., R. 18 E.

CHAINS	
	ground, for cor. of secs. 7-12-13 and 18, marked on brass cap, T 9 S on N. half,
	R 18 E S 12 in NW.,
	R 19 E S 7 in NE.,
	S 18 in SE. and S 12 in SW. quadrant, and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, rolling.
	Soil, sandy loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	North, bet. secs. 7 and 12.
	Gradual descent over gently rolling land, through sparse undergrowth.
8.35	Road from Pariette to Green River, bears E. and W.
39.00	Hollow, 30 ft. deep, course E.
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 12 on W. half, S 7 on E. half, and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
60.00	Ridge, bears NE. and SW.
	Descend.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 1-6-7 and 12, marked on brass cap, T 9 S on N. half,
	R 18 E S 1 in NW.,
	R 19 E S 6 in NE.,
	S 7 in SE. and S 12 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, rolling.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	July 21: At this cor. I set off $20^{\circ}33' N.$ on decl. arc, and

EAST BOUNDARY OF T. 9 S., R. 18 E.

CHAINS

at on. 06m., p.m., l.m.t., observe the sun on the meridian
the resulting lat. is $40^{\circ}03'N.$

North, bet. secs. 1 and 6.

Descend over rolling land, through sparse undergrowth.

19.00

Enter wide hollow, 75 ft. deep, course SE. over level sandy land, through dense undergrowth.

40.00

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 1 on W. half, S 6' on E. half; dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

47.50

Leave hollow.

Begin abrupt ascent over rocky land, bearing NW. and SE.

54.36

Rocky spur, projects NW.

Abrupt descent.

62.00

Hollow, 75 ft. deep, course W.

Abrupt ascent.

70.00

Ridge, bears NW. and SE.

Descend.

75.00

Hollow, 40 ft. deep, course E.

Ascend.

80.00

Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of Tps. 8 and 9 S., Rs. 18 and 19 E., marked on brass cap, T 8 S' on N. half, T 9 S. on S. half,

R 18 E S 36 in NW.,

R 19 E S 31 in NE.,

R 19 E S 6 in SE. and

R 18 E S 1 in SW. quadrant, dig pits, 24x24x12 ins., on each line, N., E., and W., 4 ft. and S. of post, 8 ft. dist., and raise a mound of earth, 5 ft. base, $2\frac{1}{2}$ ft. high, S. of cor. Land, rolling, level and mountainous.

Soil, sandy loam, 2nd. rate on 47.50 chs.

balance rocky, 3rd. and 4th. rate.

EAST BOUNDARY OF T.9 S., R.18 E.

CHAINS

No timber.

Undergrowth, shad scale, greasewood, sage brush and bunch grass.

Mountainous land or dense undergrowth on 61.00 chs.

NORTH BOUNDARY OF T.9 S., R.18 E.

From the cor. of Tps. 8 and 9 S., Rs. 18 and 19 E., I run west, on a random line, along the N.bdy. of T.9 S., R.18 E. setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs and at 479.40 chs., fall 18 lks. N. of the cor. of Tps. 8 and 9 S., Rs. 17 and 18 E., heretofore described. The falling answers to a correction of $0^{\circ}01'$, or 3 lks. S. per mile, counting from the NE.cor. of the Tp.

July 21, 1910

July 22: At 8h.06m., a.m., l.m.t., I set off $40^{\circ}04'N.$ on lat. arc, $20^{\circ}24'N.$ on decl. arc, and determine a meridian with the solar at the cor. of Tps. 8 and 9 S., Rs. 17 and 18 E. Thence I run

N. $89^{\circ}59'E.$, bet. secs. 6 and 31.

Over level land, in bottom of hollow, course SE., through sparse undergrowth.

9.50

Leave hollow.

Ascend along rocky south slope.

21.00

Rocky spur, projects SE.

Abrupt descent.

36.50

Hollow, 75 ft. deep, course SE.

Ascend.

39.40

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4} S. 31$ on N. half, S 6° on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

39.75

Rocky spur, projects SE.

Descend.

NORTH BOUNDARY OF T.9 S.; R.18 E.

CHAINS	
62.00	Enter bottom of hollow, 75 ft. deep, course NE. over level land.
67.00	Leave hollow.
	Ascend.
69.00	spur, projects N.
	Descend.
73.00	Enter same hollow, 75 ft. deep, course S. over level land.
75.00	Leave hollow.
	Begin abrupt ascent, bears N. and S.
77.60	Rocky spur, projects S.
	Descend.
79.40	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 5-6-31 and 32, marked on brass cap T 8 S 31 in NW., R 18 E S 32 in NE., R 18 E S 5 in SE. and T 9 S S 6 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, level and mountainous.
	Soil, sandy and rocky, 3rd. and 4th. rate.
	Undergrowth, greasewood brush.
	Mountainous land on 62.90 chs.
<hr/>	
	N. 89° 59' W., bet. secs. 5 and 32.
	Descend over rocky and mountainous land, along steep, south slope.
18.00	Hollow, 75 ft. deep, course SE.
	Ascend.
26.10	Rocky spur, projects SE.
	Descend along broken south slope.
36.00	Hollow, 75 ft. deep, course S.
	Ascend.

NORTH BOUNDARY OF T. 9 S., R. 18 E.

CHAINS	
39.00	Foot of descent, bears NE. and SW. Over level land, along north side of hollow, course E.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 32 on N. half, S 5 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
53.00	Leave hollow.
	Begin abrupt ascent, bears NW. and SE.
54.00	Spur, projects S. Descend.
55.00	Foot of descent, bears NE. and SW. Over level land along north side of same hollow, course E.
68.00	Leave hollow.
	Begin ascent, bears NW. and SE.
71.00	Spur, projects S. Descend.
76.00	Foot of descent, bears NE. and SW. Over level land in bottom of same hollow, course E.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., $2\frac{1}{4}$ in. in the ground, for cor. of secs. 4-5-32 and 33, marked on brass cap T 8 S 32 in NW., R 18 E S 33 in NE., R 18 E S 4 in SE. and T 9 S 5 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, mountainous and level. Soil, sandy and rocky, 3rd. and 4th. rate. No timber.
	Mountainous land on 49.00 chs.

NORTH BOUNDARY OF T.9 S., R.18 E.

CHAINS	
	N.89°59' E., bet. secs. 4 and 33.
	Over level land in bottom of hollow, course E., through sparse undergrowth.
14.00	Leave hollow.
	Begin ascent over rocky land, bears NW. and SE.
19.00	Spur, projects S.
	Descend.
23.00	Foot of descent, bears NE. and SW.
	Over level land, in bottom of same hollow, course E.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 33 on N. half, S 4 on S. half, dig pits, 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
50.00	Leave hollow.
	Begin ascent, bears NW. and SE.
54.00	Spur, projects S.
	Descend.
58.00	Foot of descent, bears NE. and SW.
	Over level land, in same hollow, 75 ft. deep, course NE.
75.00	Leave hollow.
	Begin ascent over rocky land, bears NE. and SW.
77.00	Spur, projects NE.
	Descend.
78.50	Hollow, 50 ft. deep, course N.
	Ascend.
80.00	On top of spur, projects N.
	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 3-4-33 and 34, marked on brass cap, T 8 S S 33 in NW., R 18 E S 34 in NE., R 18 E S 3 in SE. and T 9 S S 4 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

NORTH BOUNDARY OF T. 9 S., R. 18 E.

CHAINS	
	Pits impracticable.
	Land, rolling and level.
	Soil, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, greasewood brush.
	N. 89° 59' E., bet. secs. 3 and 34.
11.00	Descend over rocky land, through sparse undergrowth.
	Foot of descent, bears NW. and SE.
40.00	Over level land in bottom of hollow, 75 ft. deep, course E.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 34 on N. half, S 3 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, $\frac{1}{4}$ of cor.
61.00	Leave hollow.
	Begin ascent over rocky land, bears NE. and SW.
65.50	Spur, projects N.
	Descend.
68.00	Hollow, 50 ft. deep, course N.
	Ascend.
73.00	Rocky spur, projects N.
	Descend.
75.50	Hollow, 50 ft. deep, course N.
	Ascend.
77.25	Rocky spur, projects N.
	Descend.
79.00	Hollow, 50 ft. deep, course N.
	Ascend.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 2-3-34 and 35, marked on brass cap T 8 S 3 34 in NW., R 18 E S 3 35 in NE., R 18 E S 2 in SE., and T 9 S S 3 in SW. quadrant, and raise a mound of stone,

NORTH BOUNDARY OF T. 9 S., R. 18 E.

CHAINS	
	2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. pits impracticable.
	Land, rolling and level. soil, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, greasewood.
	July 22: At this cor. I set off $20^{\circ}22'N.$ on decl. arc, and at 0h..06m.. p.m., 1.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}04'N.$
	<u>July 23, 1887, Cor. 18 E., sec. 35.</u>
	N. $89^{\circ}59'E.$, bet. secs. 2 and 35.
	Ascend abruptly over rocky, and mountainous land.
0.80	Rocky spur, projects N. in side, 100 ft. above ground.
	Abrupt descent.
4.00	Hollow, 60 ft. deep, course N.
	Abrupt ascent.
5.50	Rocky spur, projects N. in side, 100 ft. above ground.
	Abrupt descent.
9.00	Hollow, 50 ft. deep, course N.
	Abrupt ascent.
14.50	Rocky spur, projects N.
	Descend.
20.50	Hollow, 50 ft. deep, course N.
	Ascend.
22.00	Spur, projects N.
	Descend.
23.50	Hollow, 40 ft. deep, course N.
	Ascend.
25.00	Top of ascent, bears NW. and SE.
	Over level rocky land.
35.00	Begin abrupt descent, bears N. and S.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground; for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 35$ on N. half, S 2 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. on meridian. 1887

NORTH BOUNDARY OF T.9 S., R.18 E.

CHAINS	
	Pits impracticable.
44.75	Hollow, 75 ft. deep, course N. Abrupt ascent.
48.00	Rocky spur, projects N. Descend.
49.50	Hollow, 60 ft. deep, course N. Ascend.
55.55	Rocky spur, projects N. Abrupt descent.
70.00	Foot of descent, bears NW. and SE. Enter bottom of hollow, 75 ft. deep, course E.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 1-2-35 and 36, marked on brass cap, T 8 S S 35 in NW., R 18 E S 36 in NE., R 18 E S 1 in SE. and T 9 S S 2 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, mountainous, level and rolling. Soil, sandy and rocky, 3rd. and 4th. rate. No timber. Mountainous land on 60.00 chs.
	N. 89° 59' W., bet. secs. 1 and 36.
	In bottom of hollow, over level sandy land, through sparse undergrowth.
3.00	Leave hollow.
	Begin abrupt ascent over rocky land, bears NE. and SW.
7.50	Top of ascent.
	Begin abrupt descent.
11.00	Foot of descent, bears NW. and SE. Enter level land in bottom of hollow, 100 ft. deep, course SE.

NORTH BOUNDARY OF T.9 S., R.18 E.

CHAINS	
29.50	Leave hollow.
	Begin abrupt ascent over rocky land.
37.00	Top of abrupt ascent, bears NW. and SE.
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 36$ on N. half, S 1° on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
44.60	Top of ascent, bears NW. and SE.
	Over level land.
78.00	Begin descent, bears N. and S.
80.00	The cor. of Tps. 8 and 9 S., Rs. 18 and 19 E.
	Land, level, mountainous and rolling.
	Soil, sandy and rocky on 44.60 chs., 3rd. and 4th. rate.
	balance, loam, 2nd. rate.
	No timber.
	Undergrowth, greasewood brush.
	Mountainous land on 25.10 chs.

July 22, 1910

BOUNDARIES OF T.9 S., R.18 E.
Latitudes, departures and closing errors.

Line Designated	True Bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
S. Bdy.	West,	480.00				480.00
W. Bdy.	North	480.00	480.00			
N. Bdy.	N. 89° 59' E.	479.40	0.14		479.40	
E. Bdy.	South	480.00		480.00		
Convergency					0.61	
	Totals	480.14	480.00	480.01	480.00	
		480.00		480.00		
	Errors in lat. and dep.	0.14			0.01	

For General Description see Subdivisions of T.9 S., R.18 E.


 U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**LIST OF NAMES.**

A list of the names of the individuals employed by _____

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

For list of names and final oath of assistants see book "Z³", Chainman.

T. 9 S., R. 19 E.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

....., United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for _____

, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 19 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the day of _____, 19_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z³" T. 9 S., R. 19 E.

of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 19_____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 25, 1911

The foregoing field notes of the survey of the East and North Boundaries of Township No. 9 South, Range No. 18 East of the Salt Lake Base and Meridian, Utah,

executed by _____ Frank T. Roberts
under his contract No. 318, dated January 15, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank T. Roberts
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONS

of

TOWNSHIP NO. 9 SOUTH, RANGE NO. 18 EAST,

Of the Bell Lake Range and Meridian,

in the state of Minn.

AS SURVEYED BY

Frank L. Roberts, United States Deputy Surveyor,

Under his Contract No. 318, dated January 15, 1910

Survey commenced July 23, 1910

Survey completed July 29, 1910

6-34

51-78-44

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooner, Chainman
Thomas Callahan, "
Thomas L. Garrod, Moundman
Claude L. Heist, "
John William Simpson, Axman
Claude Hume, Flagman

For preliminary affidavits see book "C" T. 10 S., R. 14 E.

INDEX DIAGRAM.

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19	36	20	27	21	19	23	12	23	4	24
36		35		26		18		11		4
30	34	29	26	28	18	27	10	26	3	25
34		33		25		17		10		2
31	32	33	24	33	17	34	9	35	2	36

Meanders Page

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PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 19 _____ }



SUBDIVISIONS OF T.9 S., R.13 E.

CHAINS

Survey commenced July 23, 1910, and executed with the instrument described in book "A", of this survey. I examine the adjustments of the transit and correct the level and collimation errors; thento test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows: At the cor. of secs. 1-2-35 and 36, heretofore described on the S.bdy. of the Tp., in approximate lat. $39^{\circ}59'N.$, long. $109^{\circ}53'W.$, I set off $39^{\circ}59'N.$ on lat.arc, $20^{\circ}08'N.$ on decl. arc, and at 4h.06m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.N. of the cor. At 11h.28m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs.N. of my station.

July 23, 1910

July 24: At 7 a.m., I lay off the azimuth of Polaris, $1^{\circ}32'$ to the west and mark the meridian thus determined, by cutting a small groove in the stone set July 23, on which the meridian falls 0.2 ins. east of the mark determined by the solar.

At 8h.06m., a.m., l.m.t., I set off $39^{\circ}59'N.$ on lat.arc, $20^{\circ}00'N.$ on decl.arc, and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs.N. of my station; this mark falls 0.2 ins. east of the meridian established by the Polaris observation. The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0^{\circ}11'$ west and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h.30m., a.m., is $N.16^{\circ}30'W.$, the angle thus determined gives the mag. decl. $16^{\circ}30'E.$

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS	
	From the sec.cor., already described, I run N.00°01' W., bet. secs. 35 and 36. Descend over rocky and rolling land, through sparse undergrowth.
2.25	Head of hollow; course SW. Ascend.
7.00	Ridge; bears E. and W. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 35 on W. half, S 36 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground; for cor. of secs. 25-26-35 and 36, marked on brass cap; T. 9 S. S. 26 in NW., R 18 E. S. 25 in NE., S 36 in SE. and S 35 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	East on a random line, bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.04	Intersect E. bdy. of Tp., 3 lks. N. of the cor. of secs. 25-30-31 and 36, heretofore described. Thence I run
	N.89°59' W., on a true line, Bet. secs. 25 and 36.
	Ascend over rolling and rocky north slope, slope, through sparse undergrowth.
40.02	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the

SURDIVISIONS OF T. 9 S., R. 18 E.

CHAINS	
	ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 25 on N. half, S 36' on S.half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor..
	Pits impracticable.
80.04	The cor.of secs.25-26-35 and 36.
	Land, rolling.
	Soil, rocky, 3rd.rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	<hr/>
	N.0°01'W., bet:secs.25 and 26.
	Descend over rolling land, through sparse undergrowth.
11.00	Hollow, 60 ft. deep, course E.
	Ascend.
40.00	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 26 on W. half, S 25 on E.half,dig pits,18x18x12 ins.,N.and S.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high, W.of cor..
80.00	Set an iron post, 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.23-24-25 and 26,marked on brass cap, T 9 S S 23 in NW., R 18 E S 24 in NE., S 25 in SE.and S 26 in SW.quadrant, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft. high, W.of cor..
	Pits impracticable.
	Land, rolling.
	Soil, sandy and rocky loam, 2nd.rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	<hr/>
	S.89°59'E.,on a random line,betsecs.24 and 25.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.02	Intersect E.bdy.of Tp., 3 lks.N.of the cor.of secs. 19-24-25 and 30, heretofore described.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS

- Thence I run
 N. $89^{\circ}58'W.$, on a true line,
 Bet. secs. 24 and 25.
- Ascend over rolling land, through sparse undergrowth.
- 14.00 Spur, projects SE.
- Descend.
- 15.50 Head of hollow, course SE.
- Ascend.
- 40.01 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 on N. half, S 25 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.
- Pits impracticable.
- 60.00 Ridge, bears N. and S.
- Descend.
- 80.02 The cor. of secs. 23-24-25 and 26.
- Land, rolling.
- Soil, sandy and rocky loam, 2nd. rate.
- No timber.
- Undergrowth, shad scale, sage brush and bunch grass.
-
- N. $0^{\circ}01'W.$, bet. secs. 23 and 24.
- Ascend over rolling land, through sparse undergrowth.
- 32.00 Ridge, bears NE. and SW.
- Descend.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 23 on W. half, S 24 on E. half, and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Pits impracticable.
- 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 13-14-23 and 24, marked on brass cap, T 9 S 8 14 in NW.,
 R 18 E S 13 in NE.,

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS

S 24 in SE. and S 23 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy and rocky loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

July 24: At this cor. I set off $19^{\circ}57'N$. on decl. arc, and at Oh..06m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}02'N$.

S. $89^{\circ}58'W$., on a random line, bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.04 Intersect E. bdy. of Tp., 3 lks. S. of the cor. of secs. 13-18-19 and 24, heretofore described.

Thence I run

N. $89^{\circ}59'W$., on a true line,

Bet. secs. 13 and 24.

Gradual descent over rolling land, through sparse undergrowth.

40.02 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 13 on N. half, S 24 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

80.04 The cor. of secs. 13-14-23 and 24.

Land, rolling.

Soil, loam, 2nd. rate.

No timber.

undergrowth, shad scale, sage brush and bunch grass.

N. $0^{\circ}01'W$., bet. secs. 13 and 14.

Gradual descent over gently rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 14 on W.

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS	
	half, S 13 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 11-12-13 and 14, marked on brass cap, T 9 S S 11 in NW., R 18 E S 12 in NE., S 13 in SE. and S 14 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	S. $89^{\circ}59'$ E., on a random line, bet. secs. 12 and 13.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect E. bdy. of Tp., 5 lks. S. of the cor. of secs. 7-12-13 and 18, heretofore described. Thence I run S. $89^{\circ}59'$ W., on a true line, Bet. secs. 12 and 13. Gradual descent over rolling land, through sparse undergrowth.
39.99	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 12 on N. half, S 13 on S. half, dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
42.00	Hollow, 30 ft. deep, course SE. Ascend. The cor. of secs. 11-12-13 and 14. Land, gently rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS	
	N.0°01'W., bet. secs. 11 and 12.
6.75	Descend over rolling land, through sparse undergrowth. Hollow, 40 ft. deep, course E.
	Ascend.
11.25	Road from Green River to Pariette bears NW. and E.
40.00	On ridge, bears NE. and SW. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 on W. half, S 12 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Descend.
80.00	In bottom of hollow, 25 ft. deep, course NE. Set an iron post, 3 ft. long, 2 in. dia., 24 ins. in the ground, for cor. of secs. 1-2-11 and 12, marked on brass cap T 9 S S 2 in NW., R 18 E S 1 in NE., S 12 in SE. and S 11 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, sandy and rocky loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N.89°59'E., on a random line, bet. secs. 1 and 12. Set temp. $\frac{1}{2}$ sec. cor.
40.00	Intersect E. bdy. of Tp., 3 lks. S. of the cor. of secs. 1-6-7 and 12, heretofore described.
80.00	Thence I run S.89°58'W., on a true line, Bet. secs. 1 and 12.
	Ascend over rolling and rocky land, through sparse undergrowth.
4.00	Spur, projects N.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS

Descend.

3.00 Hollow, 40 ft. deep, course N.

Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 1 on N. half, S 12 on S. half, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

45.40 Spur, projects N.

Descend.

60.00 Hollow, 40 ft. deep, course N.

Ascend.

66.00 Spur, projects N.

Descend.

69.00 The cor. of secs. 1-2-11 and 12.

Land, rolling.

Soil, rocky, 3rd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

N. 0°01' W., on a random line, bet. secs. 1 and 2.

43.00 Set temp. $\frac{1}{2}$ sec. cor.

80.04 Intersect N. bdy. of Tp., 3 lks. W. of the cor. of secs. 1-2-35 and 36, heretofore described.

Thence I run

South on a true line, bet. secs. 1 and 2.

Over level sandy land in bottom of hollow, course NE., through sparse undergrowth.

2.00 Leave hollow.

Begin abrupt ascent over rocky and broken land, bearing NE. and SW.

35.00 Spur, projects NE.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	
	ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 2 on W. half, S 1 on E. half, dig pits, 18x18x12 ins.. N. and S. of post 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
49.50	Hollow, 40 ft. deep, course E. Ascend.
56.00	Spur, projects E. Descend.
69.50	Hollow, 60 ft. deep, course E. Ascend.
72.00	Spur, projects E. Descend.
80.04	The cor. of secs. 1-2-11 and 12. Land, level, mountainous and rolling. Soil, sandy and rocky, 3rd. and 4th. rate on 35.00 chs. balance, rocky loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush, greasewood and bunch grass.

July 24, 1910

July 25: At 8h. 06m., a.m., l.m.t., I set off $39^{\circ}59'N.$ on lat. arc, $19^{\circ}47'W.$ on decl. arc, and determine a meridian with the solar at the cor. of secs. 2-3-3 $\frac{1}{4}$ and 35, heretofore described on the S.bdy. of the Tp.

Thence I run

N. $0^{\circ}01'W.$, bet. secs. 34 and 35.

Descend over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 3 $\frac{1}{4}$ on W. half, S 35 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 26-27-34 and 35, marked on brass cap, T 9 S S 27 in NW.,

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS

R 18 E S 26 in NE.,

S 35 in SE. and S 34 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Note:

On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.

Land, rolling.

soil, rocky and gravelly loam, 2nd. and 3rd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

40.00

East, on a random line, bet. secs. 26 and 35.

79.98

Set temp. $\frac{1}{4}$ sec. cor. from N. side of section line, 1871.466

Intersect N. and S. line, 3 lks. S. of the cor. of secs.

25-26-35 and 36. 1871.466 1871.466

Thence I run

S, 89°59'W., on a true line,

Bet. secs. 26 and 35.

Ascend over rolling and rocky north slope, through sparse undergrowth.

39.99

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S. 26 on N. half, S 35 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

79.98

The cor. of secs. 26-27-34 and 35.

Land, rolling.

Soil, rocky, 3rd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

N.0°01'W., bet. secs. 26 and 27.

Descending over rolling land, through sparse undergrowth.

6.40

Hollow, 50 ft. deep, coarse K. W. 1871.466 1871.466

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 27 on W. half, S 26 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 22-23-26 and 27, marked on brass cap, T. 9 S S 22 in NW., R 18 E S 23 in NE., S 26 in SE. and S 27 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, sandy and rocky loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. $89^{\circ}59' E.$, on a random line, bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 23-24-25 and 26. Thence, I run West, on a true line, bet. secs. 23 and 26. Gradual ascent over gently rolling land, through sparse undergrowth.
40.01	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 23 on N. half, S 26 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80.02	The cor. of secs. 22-23-26 and 27. Land, rolling. Soil, loam, 2nd. rate. No timber.

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS	
	Undergrowth, shad scale, sage brush and bunch grass.
	N. 0° 01' W., bet. secs. 22 and 23.
22.00	Ascend over rolling land, through sparse undergrowth.
	Ridge, bears E. and W.
	Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 22 on W. half, S 23 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 14-15-22 and 23, marked on brass cap, T 9 S S 15 in NW., R 18 E S 14 in NE., S 23 in SE. and S 22 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, rolling.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	July 25: At this cor. I set off $19^{\circ}45'$ N. on decl. arc, and at 0h. 06m. , p.m., l.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}02'$ N.
	East, on a random line, bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 13-14-23 and 24.
	Thence I run
	S. $89^{\circ}59'$ W., on a true line.
	Bet. secs. 14 and 23.
	Ascend over gently rolling land, through sparse undergrowth.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 14 on N. half, S 23' on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
30.00	The cor. of secs. 14-15-22 and 23. Land, rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 0°01' W., bet. secs. 14 and 15.
	Descend over gently rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 15 on W. half, S 14 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
30.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 10-11-14 and 15, marked on brass cap, T 9 S S 10 in NW., R 18 E S 11 in NE., S 14 in SE. and S 15 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.9 S., R.18 E.

- CHAINS N. $39^{\circ}59' E.$, on a random line, bet. secs. 11 and 14.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.96 Intersect N. and S. line, at the cor. of secs. 11-12-13 and 14.
Thence I run
S. $89^{\circ}59' W.$, on a true line,
Bet. secs. 11 and 14.
Over rolling land, through sparse undergrowth.
39.98 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 on N.
half, S 14 on S. half, dig pits, 18x18x12 ins., E. and W. of
post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high, N. of cor.
79.96 The cor. of secs. 10-11-14 and 15.
Land, rolling.
Soil, loam, 2nd. rate.
No timber.
Undergrowth, shad scale, sage brush and bunch grass.
-
- N. $0^{\circ}01' W.$, bet. secs. 10 and 11.
Descend over rolling land, through sparse undergrowth.
2.25 Hollow, 50 ft. deep, course NE.
Ascend.
14.70 Road from Green River to Pariette, bears E. and W.
40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10 on W.
half, S 11 on E. half, dig pits, 18x18x12 ins., N. and S. of
post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high, W. of cor.
Begin gradual descent.
30.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the
ground, for cor. of secs. 2-3-10 and 11, marked on brass cap
T 9 S 8 3 in NW.,
R 18 E 8 2 in NE.,
S 11 in SE. and S 10 in SW. quadrant, and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS	Pits impracticable. Land, rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
40.00	N. $89^{\circ}59' E.$, on a random line, bet. secs. 2 and 11. Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 1-2-11 and 12. Thence I run
	S. $89^{\circ}58' W.$, on a true line, Bet. secs. 2 and 11. Ascend over rolling land, through sparse undergrowth.
6.00	Ridge, bears NE. and SW. Descend.
39.99	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 2 on N. half, S 11 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
79.98	The cor. of secs. 2-3-10 and 11. Land, rolling. Soil, rocky, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. $0^{\circ}01' W.$, on a random line, bet. secs. 2 and 3. Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. bdy. of Tp., at the cor. of secs. 2-3-34 and 35, heretofore described. Thence I run
	S. $0^{\circ}01' E.$, on a true line, Bet. secs. 2 and 3. Ascend over mountainous land.

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS

40.06	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 3° on W. half, S 2° on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
53.00	Ridge, bears E. and W. Descend.
60.40	Hollow, 50 ft. deep, course SE. Ascend.
72.00	Spur, projects E. Descend.
79.00	Hollow, 50 ft. deep, course NE. Ascend.
80.06	The cor. of secs. 2-3-10 and 11. Land, mountainous and rolling. Soil, rocky, 3rd. and 4th. rate. No timber. Mountainous land on 53.00 chs.

July 25, 1910

July 26: At 8h. 06m., am., l.m.t., I set off $39^{\circ}59'N.$ on lat. arc, $19^{\circ}34'N.$ on decl. arc, and determine ameridian with the solar at the cor. of secs. 3-4-33 and 34, heretofore described on the S.bdy. of the Tp.
Thence I run

40.00	N. 0°02'W., bet. secs. 33 and 34. Descend over rolling land, through sparse undergrowth. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 33° on W. half, S 34° on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
45.00	Hollow, 50 ft. deep, course NE. Ascend.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS

- 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 2 $\frac{1}{4}$ ins. in the ground, for cor. of secs. 27-28-33 and 34, marked on brass cap, T 9 S S 28 in NW.,
R 18 E S 27 in NE.,
S 3 $\frac{1}{4}$ in SE. and S 33 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
Land, rolling.
Soil, loam, 2nd. rate.
No timber.
Undergrowth, shad scale, sage brush and bunch grass.
- East, on a random line, bet. secs. 27 and 34.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 26-27-34 and 35.
Thence I run
N. 89° 58' W., on a true line,
Bet. secs. 27 and 34.
Descend over rolling land, through sparse undergrowth.
- 34.00 Hollow, 25 ft. deep, course NE.
Ascend.
- 40.02 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 27 on N. half, S 3 $\frac{1}{4}$ on S. half, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
Pits impracticable.
- 80.04 The cor. of secs. 27-28-33 and 34.
Land, rolling.
Soil, loam, 2nd. rate.
No timber.
Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS

N. 0°02' W., bet. secs. 27 and 28.

Ascend over rolling land, through sparse undergrowth.

40.00

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 28 on W. half, S 27 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

64.00

Spur, projects SE.

Descend.

68.30

Hollow, 50 ft. deep, course SE.

Ascend.

80.00

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 21-22-27 and 28, marked on brass cap, T 9 S S 21 in NW.,

R 18 E S 22 in NE.,

S 27 in SE. and S 28 in SW. quadrant, dig pits, 18x18x12 ins. in each secs., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

S. 89°58' E., on a random line, bet. secs. 22 and 27.

86.00

Set temp. $\frac{1}{2}$ sec. cor.

89.62

Intersect N. and S. line, 3 lks. N. of the cor. of secs.

22-23-26 and 27.

Thence I run

N. 89°59' W., on a true line,

Bet. secs. 22 and 27.

Ascend over rolling land, through sparse undergrowth.

90.01

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 22 on N. half, S 27 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base,

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS	
	1½ ft. high, N. of cor.
80.02	The cor. of secs. 21-22-27 and 28.
	Land, rolling.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.

	N. 0°01' W., bet. secs. 21 and 22.
	Ascend over rolling land, through sparse undergrowth.
6.00	Top of ascent, bears NE. and SW.
	Over level mesa.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, ¼ S 21 on W. half, S 22 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
78.00	Begin descent, bears NE. and SW.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 15-16-21 and 22, marked on brass cap, T 9 S 8 16 in NW., R 18 E S 15 in NE., S 22 in SE. and S 21 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
	Land, rolling and level.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	July 26: At this cor. I set off 19°52' N. on decl. arc, and at 0h.06m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is 40°02' N.

	S. 89°59' E., on a random line, bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 14-15-22 and 23.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	
	Thence I run N.89°56'W..on a true line, Bet.secs.15 and 22. Gradual descent over gently rolling land, through sparse undergrowth.
40.03	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{2}$ S 15 on N. half, S 22 on S.half, dig pits, 18x18x12 ins., E.and W.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, N.of cor.
56.00	Hollow, 50 ft.deep, course NE. Ascend.
60.00	Top of ascent, bears NW.and SE. Over level land.
78.00	Begin descent, bears NE.and SW.
80.06	The cor.of secs.15-16-21 and 22. Land, rolling and level. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N.0°02'W., bet.secs.15 and 16. Descend over rolling land, through sparse undergrowth.
7.50	Hollow, 50 ft.deep, course NE. Ascend.
19.50	Top of ascent, bears NE.and SW. over level land.
27.00	Begin descent, bears NE.and SW.
34.00	Hollow, 50 ft.deep, course NE. Ascend.
40.00	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{2}$ S 16 on W. half, S 15 on E.half, dig pits, 18x18x12 ins., N.and S.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, W.of cor.

SUBDIVISIONS OF T. 9 S., R. 16 E.

CRAVEN

61.00

SPUR, project N.E.

Dugout.

60.00

Set an iron post, 3 ft. long, 2 in. dia., 24 in. in the ground, for cor. of secn. P-10-15 and 16, marked on brass cap, T 9 S. R. 16 E.

A 16 T 9 S. R. 16 E.

A 16 in SW. end of 16 in NW. quadrant, six pitch, 16x16x12 in. in earth, 3 ft. 6 in. high, and raise a mound of earth, 4 ft. 6 in. high, 2 ft. 6 in. off cor.

Lift, rolling and total.

6012, 1600, 200. rate.

No timber.

Undergrowth, old scat, sage brush and bunch grass.

A 16 in SW. end of 16 in NW. quadrant, six pitch, 16x16x12 in.

60.00

Post, 3 ft. 6 in. high, 2 ft. 6 in. off cor. of secn.

T 9 S. R. 16 E.

Project S. end

A 16 in SW. end of 16 in.

Post, 3 ft. 6 in. high, 2 ft. 6 in. off cor.

Dugout over rolling land, through sagebrush undergrowth.

61.00

Post, 3 ft. 6 in. high, 2 ft. 6 in. off cor.

Lift, 60.

Set an iron post, 3 ft. long, 2 in. dia., 26 in. in the ground, for 1 secn. cor., marked on brass cap, A 16 on N. side, A 16 in SW. end, six pitch, 16x16x12 in., 2 ft. 6 in. off post, 3 ft. 6 in. high, and raise a mound of earth, 3 ft. 6 in., 12 ft. high, 2 ft. off cor.

60.00

The cor. of secns. P-10-15 and 16.

Lift, rolling.

6012, 1600, 200. rate.

No timber.

Undergrowth, old scat, sage brush and bunch grass.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS

- N.0°02'W., bet. secs. 9 and 10.
Gradual descent over gently rolling land, through sparse undergrowth.
- 14.28 Road from Green River to Pariette, bears E. and W.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 9 on W. half, S 10 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
- 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 3-4-9 and 10, marked on brass cap T 9 S S 4 in NW.,
R 18 E S 3 in NE.,
S 10 in SE. and S 9 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
- Land, rolling.
- Soil, loam, 2nd. rate.
- No timber.
- Undergrowth, shad scale, sage brush and bunch grass.
-
- S.89°57'E., on a random line, bet. secs. 3 and 10.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 2-3-10 and 11.
Thence I run
N.89°58'W., on a true line,
Bet. secs. 3 and 10.
- Descend over rolling land, through sparse undergrowth.
- 8.00 Hollow, 30 ft. deep, course NE.
- Ascend.
- 10.00 Spur, projects S.
- Descend.
- 36.75 Same hollow, 35 ft. deep, course SE.
- Ascend.

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS	
40.02	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S \frac{3}{4}$ on N. half, S $\frac{1}{2}$ on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.
80.04	The cor. of secs. 3-4 9 and 10. Land, rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. $0^{\circ}02' W.$, on a random line, bet. secs. 3 and 4.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. bdy. of Tp., 5 lks. W. of the cor. of secs. 3-4-33 and 34, heretofore described. Thence I run
	South, on a trueline, bet. secs. 3 and 4. Ascend over rocky and mountainous land, along top of spur, projecting N.
6.00	Leave spur, bears SE. and N. Abrupt descent.
10.00	Hollow, 75 ft. deep, course NW. Abrupt ascent.
17.00	Top of ascent, bears E. and W. Leave rocky and mountainous land. Ascend over gently rolling land, through sparse undergrowth.
40.02	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S \frac{4}{4}$ on W. half, S $\frac{3}{4}$ on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
77.25	Wash, 10 lks. wide, 5 ft. deep, course NE.
80.02	The cor. of secs. 3-4-9 and 10. Land, rolling and mountainous. Soil, rocky, 3rd. and 4th. rate on 17.00 chs.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS

balance, loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

Mountainous land on 17.00 chs.

July 26, 1910

July 27: At 8h:06m:, a.m., l.m.t., I set off $39^{\circ}59'N$.on lat. arc, $19^{\circ}21'N$.on decl. arc, and determine a meridian with the solar at the cor. of secs. 4-5-32 and 33, heretofore described on the S.bdy. of the Tp.

Thence I run

N. $0^{\circ}03'W$., bet. secs. 32 and 33.

Ascend over rolling land, through sparse undergrowth.

5.00 Wash, 25 lks. wide, 10 ft. deep, course NE.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2} S\ 32$ on W. half, S 33 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

65.00 Spur, projects NE.

Descend.

70.00 Hollow, 40 ft. deep, course NE.

Ascend.

72.00 Spur, projects E.

Descend.

74.50 Hollow, 35 ft. deep, course E.

Ascend.

79.25 Ridge, bears NE. and SW.

Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 28-29-32 and 33, marked on brass cap, T 9 S S 29 in NW.,
R 18 E S 28 in NE.,
S 35 in SE. and S 32 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS	
	Pits impracticable.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	East, on a random line, bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 27-28-33 and 34.
	Thence I run.
	S. $89^{\circ}59'W.$, on a true line;
	Bet. secs. 28 and 33.
	Descend over gently rolling land, through sparse undergrowth.
34.00	Hollow, 25 ft. deep, coarse SE.
	Ascend.
40.01	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap; $\frac{1}{4}$ S 28 on N. half, S 33 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
62.50	Begin abrupt ascent over rocky land, bears NE. and SW.
79.25	Rocky ridge, bears NE. and SW.
	Descend.
80.02	The cor. of secs. 28-29-32 and 33.
	Land, rolling and mountainous.
	Soil, loam, 2nd. rate on 62.50 chs.
	balance, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	Mountainous land on 17.52 chs.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	
	N.0°03'W., bet. secs. 28 and 29.
	Descend over rocky, broken and mountainous land.
15.00	Hollow, 100 ft. below sec. cor., course NE.
	Ascend over rolling land, through sparse undergrowth.
27.50	Spur, projects E.
	Descend.
32.00	Hollow, 30 ft. deep, course SE.
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on W. half, S 28 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
45.00	Top of ascent, bears NE. and SW.
	Over level mesa.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 20-21-28 and 29, marked on brass cap, T 9 S 8 20 in NW., R 18 E S 21 in NE., S 28 in SE. and S 29 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, mountainous, rolling and level.
	Soil, rocky, 3rd. rate on 15.00 chs.
	balance, loam, 2nd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	Mountainous land on 15.00 chs.
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	N.89°59'E., on a random line, bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 21-22-27 and 28.
	Thence I run
	S.89°58'W., on a true line,

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	
	Bet. secs. 21 and 28.
18.50	Ascend over rolling land, through sparse undergrowth.
40.00	Top of ascent, bears NE. and SW. Over level land. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 on N. half, S 28 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80.00	The cor. of secs. 20-21-28 and 29. Land, rolling and level. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 0° 03' W., bet. secs. 20 and 21.
40.00	Over level land, through sparse undergrowth. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 20 on W. half, S 21 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 16-17-20 and 21, marked on brass cap, T 9 S S 17 in NW., R 18 E S 16 in NE., S 21 in SE. and S 20 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	
	N.89°58' E., on a random line, bet. secs. 16 and 21.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 15-16-21 and 22. Thence I run S.89°59' W., on a true line, Bet. secs. 16 and 21.
	Descend over rolling land, through sparse undergrowth.
9.50	Hollow, 50 ft. deep, course NE.
	Ascend.
13.50	Top of ascent, bears NE. and SW.
	Over level land.
39.99	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 16 on N. half, S 21 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.98	The cor. of secs. 16-17-20 and 21. Land, rolling and level. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass. July 27: At this cor. I set off $19^{\circ}18'$ N. on decl. arc, and at Oh. 06m., P.M., 1.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}02'$ N.
	N.0°03' W., bet. secs. 16 and 17.
40.00	Over level land, through sparse undergrowth. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 17 on W. half, S 16 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	ground, for cor. of secs. 8-9-16 and 17, marked on brass cap T 9 S S 8 in NW., R 18 E S 9 in NE., S 16 in SE. and S 17 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
40.00	N. $89^{\circ}59' E.$, on a random line, bet. secs. 9 and 16. Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 9-10-15 and 16. Thence I run
79.98	West, on a true line, bet. secs. 9 and 16. Over level land, through sparse undergrowth. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 9$ on N. half, S 16 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.96	The cor. of secs. 8-9-16 and 17. Land, level. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
26.36	N. $0^{\circ}03' W.$, bet. secs. 8 and 9. Over level land, through sparse undergrowth. Road from Green River to Pariette, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 8$ on w.

SUMMARISATION OF T.9 S., R.18 E.

TRAINE

- half, 3' 9" on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor.
- 60.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 4-5-8 and 9, marked on brass cap, C 9 S 3 5 in NW.,
S 18 E 3 4 in NE.,
S 9 in SE. and S 8 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 3 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 2 ft. base, 2 ft. high, W. of cor.
Level, level.
Soil, loose, 2nd. rate.
No timber.
Undergrowth, shrub scale, sage brush and bunch grass.

Mast, on a random line, bet. secs. 4 and 9.

- 60.00 Set temp. of sec. cor.
79.98 Intersect N. and S. line, 5 lks. N. of the cor. of secn. 4-5-9 and 10.
Then 1 run

N. 29° 58' W., on a true line,

Bet. secs. 4 and 9.

- Over level land, through sparse undergrowth.
14.00 Wash, 10 ins. wide, 5 ft. deep, course NE.
60.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 4 on N. half, 3' 9" on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
The cor. of secs. 4-5-8 and 9.
Level, level.
Soil, loose, 2nd. rate.
No timber.
Undergrowth, shrub scale, sage brush and bunch grass.
-

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	
	N.0°03'W., on a random line, bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. and S. line, 5 lks. W. of the cor. of secs. 4-5-32 and 33, heretofore described. Thence I run
	S.0°01'E., on a true line, Bet. secs. 4 and 5.
	Overlevel sandy land, in bottom of hollow, course E., through sparse undergrowth.
5.00	Leave hollow.
	Begin abrupt ascent over rocky and mountainous land, bearing E. and W.
16.00	Spur, projects NE.
	Abrupt descent.
22.00	Enter bottom of hollow, 75 ft. deep, course NE.
	Over level sandy land.
30.00	Leave hollow.
	Abrupt ascent.
36.00	Spur, projects NW.
	Abrupt descent.
39.94	In hollow, 60 ft. deep, course NW. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 5 on W. half, S 4 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Ascend.
52.00	Spur, projects NE.
	Descend.
59.50	Same hollow, 40 ft. deep, course NE. Ascend.
71.00	Top of ascent, bears NE. and SW. Over level land.
79.94	The cor. of secs. 4-5-8 and 9. Land, level and mountainous.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS

Soil, sandy and rocky, 3rd. and 4th. rate on 58.00 chs.

balance, loam, 2nd. rate.

No timber.

Undergrowth, greasewood, sage brush, shad scale and bunch grass.

Mountainous land on 58.00 chs.

July 27, 1910

July 28: At 8h.06m., a.m., l.m.t., I set offr $39^{\circ}59'N.$ on lat. arc, $19^{\circ}07'N.$ on decl. arc, and determine a meridian with the solar at the cor. of secs. 5--6-31 and 32, heretofore described.

Thence I run

$N.0^{\circ}03'W.$, bet. secs. 31 and 32.

Descend over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4} S 31$ on W. half, $S 32$ on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

61.75 Hollow, 50 ft. deep, course NE.

Ascend.

73.50 Spur, projects E.

Descend.

75.50 Hollow, 25 ft. deep, course E.

Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 29-30-31 and 32, marked on brass cap, T 9 S S 30 in NW.,

R 18 E S 29 in NE.,

$S 32$ in SE. and $S 31$ in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	
	Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
40.00	East, on a random line, bet. secs. 29 and 32. Set temp. $\frac{1}{2}$ sec. cor.
79.98	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 28-29-32 and 33. Thence I run S. $89^{\circ}58'W.$, on a true line, Bet. secs. 29 and 32.
2.50	Descend over rocky and mountainous land. Head of hollow, course N. Ascend.
6.00	Spur, projects N. Descend.
17.00	Hollow, 100 ft. below sec. cor., course NE. Ascend over rolling land.
39.99	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on N. half, S 32 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
79.98	The cor. of secs. 29-30-31 and 32. Land, mountainous and rolling. Soil, rocky, 3rd. rate on 17.00 chs. balance, sandy and rocky loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
40.00	West, on a random line, bet. secs. 30 and 31. Set temp. $\frac{1}{4}$ sec. cor.
79.91	Intersect W. bdy. of Tp., 3 lks. N. of the cor. of secs. 25-30-31 and 36, heretofore described.

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS	
	Thence I run N.89°59' E., on a true line; Bet. secs. 30 and 31. Over level land, through sparse undergrowth.
39.91	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground; for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 on N. half, S 31 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
69.00	Begin descent, bears NE. and SW.
79.91	The cor. of secs. 29-30-31 and 32. Land, level and rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N.0°03' W., bet. secs. 29 and 30. Ascend over rolling land, through sparse undergrowth.
9.00	Top of ascent, bears NE. and SW. Over level land.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 on W. half, S 29 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 19-20-29 and 30, marked on brass cap, T 9 S S 19 in NW., R 18 E S 20 in NE., S 29 in SE. and S 30 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling and level. Soil, loam, 2nd. rate. No timber.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS

Undergrowth, shad scale, sage brush and bunch grass.

N. $89^{\circ}58' E.$, on a random line, bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 20-21-28 and 29.

Thence I run

S. $89^{\circ}56' W.$, on a true line,

Bet. secs. 20 and 29.

Over level land, through sparse undergrowth.

39.94 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 20 on N. half, S 29 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

79.88 The cor. of secs. 19-20-29 and 30.

Land, level.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

S. $89^{\circ}59' W.$ on a random line, bet. secs. 19 and 30.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.80 Intersect W. bdy. of Tp., at the cor. of secs. 19-24-25 and 30, heretofore described.

Thence I run

N. $89^{\circ}59' E.$, on a true line,

Bet. secs. 19 and 30.

Over level land, through sparse undergrowth.

39.80 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 on N. half, S 30 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

79.80 The cor. of secs. 19-20-29 and 30.

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS

Land, level.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

July 28: At this cor. I set off $19^{\circ}05' N.$ on decl. arc, and at Oh. 06 m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}01' N.$

$N.0^{\circ}03' W.$, bet. secs. 19 and 20.

over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2} S 19$ on W. half, $S 20$ on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 2 in. dia., 24 ins. in the ground, for cor. of secs. 17-18-19 and 20, marked on brass cap, $T 9 S S 18$ in NW.,

R 18 E S 17 in NE.,

S 20 in SE. and S 19 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

N. $89^{\circ}56' E.$, on a random line, bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 16-17-20 and 21.

Thence I run

$S.89^{\circ}57' W.$, on a true line,

Bet. secs. 17 and 20.

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	
	Over level land, through sparse undergrowth.
39.95	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 17 on N. half, S 20 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.90	The cor. of secs. 17-18-19 and 20. Land, level. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
40.00	S. $89^{\circ}59'$ W., on a random line, bet. secs. 18 and 19. Set temp. $\frac{1}{4}$ sec.cor.
79.72	Intersect W. bdy. of Tp., 3 lks. S. of the cor. of secs. 13-18-19 and 24, heretofore described. Thence I run East, on a true line, bet. secs. 18 and 19. Over level land, through sparse undergrowth.
39.72	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 18 on N. half, S 19 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.72	The cor. of secs. 17-18-19 and 20. Land, level. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
40.00	N. $0^{\circ}03'$ W., bet. secs. 17 and 18. Over level land, through sparse undergrowth. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 18 on W. half, S 17 on E. half, dig pits, 18x18x12 ins., N. and S. of post,

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS

- 3 ft.dist.,and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high,w.of cor.
- 80.00 Set an iron post,3 ft.long,2 ins.dia., $2\frac{1}{4}$ ins.in the ground,for cor.of secs.7-8-17 and 18,marked on brass cap,T.9 S S'7 in NW.,
R 18 E S 8 in NE.,
S 17 in SE.and S 18 in SW.quadrant,dig pits,18x18x12 ins. in each sec., $5\frac{1}{2}$ ft.dist.,and raise a mound of earth, 4 ft.base,2 ft.high,w.of cor.
- Land,level.
- Soil,loam,2nd.rate.
- No timber.
- Undergrowth,shad scale,sage brush and bunch grass.
-
- N. $89^{\circ}57'$ E.,on a random line,betsecs.8 and 17.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 79.98 Intersect N.and S.line,3 lks.N.of the cor.of secs. 8-9-16 and 17.
- Thence I run
- S. $89^{\circ}58'$ W.,on a true line,
- Betsecs.8 and 17.
- Over level land, through sparse undergrowth.
- 39.99 Set an iron post,3 ft.long,1 in.dia,26 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked on brass cap, $\frac{1}{4}$ S 8 on N. half,S 17 on S.half,dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.,and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft,high,N.of cor.
- 79.98 The cor.of secs.7-8-17 and 18.
- Land,level.
- Soil,loam,2nd.rate.
- No timber.
- Undergrowth,shad scale,sage brush and bunch grass.
-

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	West.on a random line,betsecs.7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.61	Intersect W.bdy.of Tp.,3 lks.N.of the cor.of secs. 7-12-13 and 18,heretofore described. Thence I run N. $89^{\circ}59' E.$,on a true line, Bet.secs.7 and 18. Over level land,through sparse undergrowth.
39.61	Set an iron post,3 ft.long,1 in.dia.,26 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked on brass cap, $\frac{1}{4}$ S 7 on N. half,S 18 on S.half,dig pits,18x18x12 ins.,E.and W. of post,3 ft.dist.,and raise a mound of earth, $3\frac{1}{2}$ ft.base $1\frac{1}{2}$ ft.high,N.of cor.
79.61	The cor.of secs.7-8-17 and 18. Land,level. Soil,loam,2nd.rate. No timber. Undergrowth,shad scale,sage brush and bunch grass.
	July 28, 1910
	July 29: At 8h.06m.,a.m.,l.m.t.,I set off $40^{\circ}03' N.$ on lat. arc, $18^{\circ}54' N.$ on decl.arc, and determine a meridian with the solar at the cor.of secs.7-8-17 and 18. Thence I run N. $0^{\circ}03' W.$,bet.secs.7 and 8. Over level land,through sparse undergrowth.
24.20	Road from Green River to Pariette,bears NW.and SE.
40.00	Set an iron post,3 ft.long,1 in.dia.,26 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked on brass cap, $\frac{1}{4}$ S 7 on W. half,S 8 on E.half,dig pits,18x18x12 ins.,W.and S.of post,3 ft.dist.,and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high,W.of cor.
80.00	Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.5-6-7 and 8,marked on brass cap T 9 S S 6 in NW.,

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS

R 18 E S 5 in NE.,

S 8 in SE. and S 7 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

N. $89^{\circ}58'$ E., on a random line, bet. secs. 5 and 8.40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.92 Intersect N. and S. line, 3 lks. N. of the cor. of secs.

4-5-8 and 9.

Thence I run

S. $89^{\circ}59'$ W., on a true line,

Bet. secs. 5 and 8.

over level land, through sparse undergrowth.

39.96 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S '5 on N. half, S 8 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

79.92 The cor. of secs. 5-6-7 and 8.

Land, level.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

S. $89^{\circ}59'$ W., on a random line, bet. secs. 6 and 7.40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.50 Intersect W. bdy. of Tp., 3 lks. N. of the cor. of secs.

1-6-7 and 12, heretofore described.

Thence I run

SUBDIVISIONS OF T.9 S., R.18 E.

CHAINS	
	N. $89^{\circ}58' E.$, on a true line, Bet. secs. 6 and 7.
39.50	Over level land, through sparse undergrowth. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 6'$ on N. half, S 7' on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
79.50	The cor. of secs. 5-6-7 and 8. Land, level. Soil, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
40.00	N. $0^{\circ}03' W.$, on a random line, bet. secs. 5 and 6. Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. bdy. of Tp., 5 lks. E. of the cor. of secs. 5-6-31 and 32, heretofore described. Thence I run
	S. $0^{\circ}05' E.$, on a true line, Bet. secs. 5 and 6.
7.00	Abrupt descent over rocky and mountainous land. Enter hollow, 75 ft. deep, course E.
12.00	Over level sandy land. Leave hollow.
25.00	Begin abrupt ascent. Spur, projects NE.
36.00	Descend. Hollow, 75 ft. deep, course NE.
39.98	Ascend. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 6'$ on w. half, S 5' on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

SUBDIVISIONS OF T. 9 S., R. 18 E.

CHAINS	
60.00	Top of ascent, bears NW. and SE. Over level land, through sparse undergrowth.
79.98	The cor. of secs. 5-6-7 and 8. Land, mountainous and level. Soil, sandy and rocky, 3rd. and 4th. rate on 60.00 chs. balance, loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass. Mountainous land on 55.00 chs. July 29: At this cor. I set off $18^{\circ}51'N.$ on decl. arc, and at Ch. 06m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}04'N.$

GENERAL DESCRIPTION.

This township is level in the western portion, mountainous in the northern portion and rolling on the balance and is generally covered with a sparse growth of desert brush and grass.

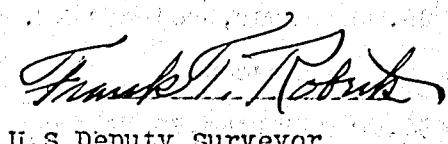
The soil of the mountainous portion is rocky while the balance is generally sandy or rocky loam, capable of producing crops with irrigation.

There is no timber or water found on this township.

There are no settlers or improvements on this township.

The road between Green River and Pariette, crosses this township.

There are no indications of coal, oil or minerals found in this township.



U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____,

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____,

showing the respective capacities in which they acted:

_____, *Chairman.*

⁶ or list of names and final oath of assistants see book "Z" _____, *Chairman.*

T. 10 S., R. 19 E.

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____,

United States Deputy Surveyor, in surveying all

these parts or portions of the _____,

of the _____,

meridian, _____, of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____,

_____, *Chairman.*

_____, *Chairman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

scribed and sworn to before me this _____
day of _____, 19_____. }
} 10



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, bearing date of the United States Surveyor General for _____, day of _____, 19_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z⁶" T. 10 S., R. 19 E.

of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 19_____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 25, 1911

The foregoing field notes of the survey of the subdivisional lines of Township No. 9 South, Range No. 18 East of the Salt Lake Base and Meridian, Utah,

executed by _____ Frank T. Roberts
under his contract No. 318, dated January 15, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank T. Roberts
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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for changes on page 1

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BOOK-A-365

4-670.

" Z¹ "

87K.

FILED

MAR 13 1911

FIELD NOTES

OF THE SURVEY OF THE

E.A.S.T. B.O.U.N.D.A.R.Y.

of

TOWNSHIP NO. 8. SOUTH, RANGE NO. 18. EAST,

Of the Salt Lake Base and Meridian,

In the state of Utah.

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 318, dated January 15, 1910

Survey commenced July 29, 1910

Survey completed July 30, 1910

6-11

69-025

Banning 19-79 ✓

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooper, Chairman

Thomas Callahan, "

Thomas J. Garrod, Moundman

Claude L. Heist, "

John William Simpson, Axman

Claude Hume, Flagman

For preliminary affidavits see book "B" T. 10 S., R. 14 E.

INDEX DIAGRAM.

Township 8 South, Range 18 East,

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Meanders Page

6-141

PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of, 19 }



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of, 19 }



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of, 19 }



I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of, 19 }



EAST. BOUNDARY OF T.8 S., R.18 E.

CHAINS

Survey commenced July 29, 1910 and executed with the instrument described in book "A", of this survey. I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of Tps. 8 and 9 S., Rs. 18 and 19 E., heretofore described in latitude $40^{\circ}04'N.$, longitude $109^{\circ}52'W.$. I set off $40^{\circ}04'N.$ on lat.arc, $18^{\circ}50'N.$ on decl.arc, and at 4h.06m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.E. of my station.

At 11h.06m., p.m., l.m.t., I observe Polaris at eastern elongation in accordance with Manual of Instructions and mark a point in the line thus determined, on a peg, driven in the ground, 5 chs.W. of my station.

July 29, 1910

JULY 30: At 7 a.m., I lay off the azimuth of Polaris, $1032'$ to the west and mark the meridian thus determined by cutting a small groove in the stone set last evening on which the meridian falls 0.2 ins. east of the mark determined by the solar.

At 8h.06m., a.m., l.m.t., I set off $40^{\circ}04'N.$ on lat.arc, $18^{\circ}39'N.$ on decl.arc, and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs.N. of my station; this mark falls 0.2 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians respectively about $0'11''$ west and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments

EAST BOUNDARY OF T.8 S., R.18 E.

CHAINS	
	of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 8h.30m., a.m. is N. $16^{\circ}30'W.$, the angle thus determined gives the mag.decl. $16^{\circ}30'E.$
	From the Tp.cor.already described , I run North, betsecs.31 and 36.
	Ascend over rolling land,through sparse undergrowth.
3.00	Top of ascent,bears NE.and SW.
	Over level land.
40.00	Set an iron post,3 ft.long,1 in.dia.,26 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked on brass cap, $\frac{1}{4} S 36$ on W. half,S 31 on E.half,dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.,and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high,W.of cor.
57.00	Begin abrupt ascent over rocky land,bears NW.and SE.
60.00	Top of abrupt ascent,bears NW.and SE.
	Begin gradual ascent.
69.02	Intersect S.bdy.of Tp.,19.79 chs..N. $58^{\circ}34'W.$,from 5 mi. cor.S.bdy.Uintah I.R.a sandstone,12x6x4 ins.,firmly set in a mound of stone,marked and witnessed as described by the surveyor general.
	Set an iron post,3 ft.long,3 ins.dia.,24 ins.in the ground,for closing cor.of secs.31 and 36,marked on brass cap,U I R CC on N.half,
	T 8 S on S.half,
	R 19 E S 31 in SE.and
	R 18 E S 36 in SW.quadrant, and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high,S.of cor.
	Pits impracticable.
	Land,rolling,level and mountainous.
	Soil,sandy loam on 57.00 chs., 2nd.rate.
	balance,sandy and rocky, 3rd.and 4th.rate.
	No timber.
	Undergrowth, shad scale,sage brush and bunch grass.

BOUNDARIES OF T.8 S., R.18 E.

Latitudes, departures and closing errors.

Line designated	True Bearing	Distance	Latitudes N. S.	Departures E. W.
		Chs.	Chs.	Chs.
est Bdy.	South,	218.25✓		218.25✓
uth Bdy.	N.89°59' E.	479.40✓	0.14✓	479.40✓
st Bdy.	North	69.02✓	69.02✓	
Bdy.Uintah dian Res.	N.58°34' W.	60.97✓	31.80✓	52.02✓
	N.72°38' W.	79.46✓	23.72✓	75.84✓
	N.72°51' W.	79.87✓	23.55✓	76.32✓
	N.72°II' W.	79.70✓	24.39✓	75.88✓
	N.72°06' W.	80.10✓	24.62✓	76.22✓
	N.80°06' W.	79.71✓	13.70✓	78.52✓
	N.80°16' W.	45.02✓	7.61✓	43.37✓
ivergency				0.20✓
	Totals,		218.55✓ 218.25✓ 479.40✓ 478.37✓	
			218.25✓	478.37✓
	Error in lat.and dep.	0.30✓		1.03✓

For General Description see Subdivisions of T.8 S., R.18 E.



U.S. Deputy Surveyor

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, *Chainman.*

For list of names and final oath of assistants see book "Z³" *Chainman.*

T. 9 S., R. 19 E.

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all
ose parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
ner monuments established, according to the instructions furnished by the United States Surveyor
eneral for _____

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

scribed and sworn to before me this _____
day of _____, 19 _____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the day of _____, 19_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z" T. 9 S., R. 19 E.

..... of the meridian, in the of which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }

this _____ day of _____, 19_____ }



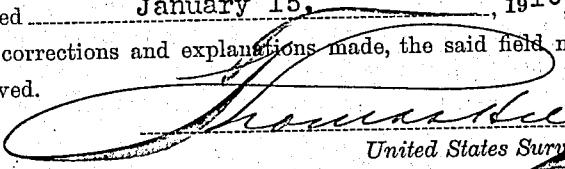
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 23, 1911.

The foregoing field notes of the survey of the East Boundary of Township No. 8 South, Range No. 18 East of the Salt Lake Base and Meridian, Utah,

executed by _____ Frank T. Roberts
under his contract No. 318, dated January 15, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.


United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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N.F.B.

M.M.B.

FILED

MAR 13 1911

W.H.B.

BOOK-A-365

Ex.V.I.F.

4-670.

" Z² "

FIELD NOTES

OF THE SURVEY OF THE

S.U.B.D.I.V.I.S.I.O.N.S.

or

TOWNSHIP NO. 8 SOUTH, RANGE NO. 18 EAST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 318, dated January 15, 1910

Survey commenced July 30, 1910

Survey completed August 2, 1910

6-161

18-54-54

Closing 3-19-06

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooper, Chairman
Thomas Callahan, "
Thomas J. Garrod, Moundman
Claude L. Heist, "
John William Simpson, Axman
Claude Yume, Flagman

For preliminary affidavits see book "C" T. 10 S., R. 14 E.

INDEX DIAGRAM.

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Meanders Page

6-181

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____
day of _____, 19 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 19 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 19 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 19 }



SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS	
	<p>Survey commenced July 30, 1910 and executed with the instrument described in book "A", of this survey.</p> <p>I know the instrument to be in adjustment from recent observations made July 29 and 30, 1910, at the cor. of Tps. 8 and 9 S., Rs. 18 and 19 E., and recorded in book "z¹", of this survey.</p> <p>From the cor. of secs. 1-2-35 and 36, heretofore described on S.bdy. of the Tp., I run</p> <p>N. 0°01' W., bet. secs. 35 and 36.</p> <p>In bottom of hollow, course E., over level sandy land, through sparse undergrowth.</p>
6.00	Leave hollow.
	<p>Begin abrupt ascent over rocky and mountainous land, bearing E. and W.</p>
28.00	Rocky spur, projects SE.
	Abrupt desct over broken land.
40.00	<p>Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 35 on W. half, S 36 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Pits impracticable.</p>
46.00	Hollow, 75 ft. deep, course SE.
	Ascend over broken land.
50.00	<p>Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 25-26-35 and 36, marked on brass cap, T 8 S S 26 in NW.,</p> <p>R 18 E S 25 in NE.,</p> <p>S 36 in SE. and S 35 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Pits impracticable.</p> <p>Land, level and mountainous.</p> <p>Soil, sandy and rocky, 3rd. and 4th. rate.</p> <p>No timber.</p> <p>Undergrowth, greasewood brush, shad scale, sage brush</p>

SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS	
	bunch grass.
	Mountainous land on 74.00 chs.
	July 30: At this cor. I set off $18^{\circ}37'N.$ on decl. arc, and at 12m.06m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}05'N.$
	<hr/>
	$N.89^{\circ}59'E.$ on a true line, bet. secs. 25 and 36.
	Ascend over rocky and mountainous land.
0.50	Ridge, bears NW. and SE.
	Descend.
5.00	Head of hollow, course N.
	Ascend.
19.50	Ridge, bears N. and S.
	Abrupt descent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 25$ on N. half, S 36 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
46.00	Hollow, 75 ft. deep, course S.
	Abrupt ascent.
50.00	Rocky spur, projects S.
	Abrupt descent.
52.00	Hollow, 60 ft. deep, course S.
	Ascend.
62.36	Intersect S.bdy. of the Uintah Indian Reservation, 39.92 chs. S. $58^{\circ}34'E.$, from the 6 Mile cor., which is a cobble stone, 12x6x3 ins., firmly set in a mound of stone marked and witnessed as described by the surveyor general.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 25 and 36, marked on brass cap, U I R CC on NE. half, and
	T 8 S R 18 E S 25 S 36 on SW. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS	Pits impracticable. Land, mountainous. Soil, rocky and sandy, 3rd. and 4th. rate. No timber. Mountainous land on 62.36 chs.
	N.0°01'W., bet. secs. 25 and 26. Ascend over rocky and mountainous land.
0.50	Rocky ridge, bears NW. and SE. Abrupt descent.
13.00	Hollow, 75 ft. deep, course W. Ascend.
15.00	Spur, projects W. Descend.
16.50	Hollow, 75 ft. deep, course SW. Ascend.
30.20	Intersect S.bdy. of the Uintah Indian Reservation, 29.80 chs., N.72°38'W., from the 6 Mile cor., heretofore described. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 25 and 26, marked on brass cap, U I R CC on N half, and T 8 S R 18 E S 25 S 26 on S. half, dig pits, 18x18x12 ins., crosswise on each line, NW. and SE., 3 ft. and S. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor. Land, mountainous. Soil, rocky and sandy, 3rd. rate. No timber. Mountainous land on 30.20 chs.
	July 30, 1910
	July 31: At 8h.06m, a.m., 1.m.t., I set off 40°04'N. on lat. arc, 18°25'N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 2-3-34 and 35, heretofore described, on S.bdy. of Tp.

SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS

Thence I run

N.0°01'W., bet. secs. 34 and 35.

Descend abruptly over rocky and mountainous land.

4.00 Enter bottom of hollow, 75 ft. deep, course E.

Over level sandy land, through sparse undergrowth.

15.00 Leave hollow.

Begin abrupt ascent, bears E. and W.

24.00 Rocky spur, projects SE.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 34 on W. half, S 35 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

41.75 Hollow, 75 ft. deep, course E.

Ascend.

48.00 Spur, projects SE.

Abrupt descent.

49.00 Enter bottom of hollow, 75 ft. deep, course SE.

Over level land.

64.00 Leave hollow.

Begin abrupt ascent, bears NW. and SE.

67.00 Spur, projects W.

Descend.

69.75 Hollow, 60 ft. deep, course SW.

Abrupt ascent.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 26-27-34 and 35, marked on brass cap, T 8 S S 27 in NW.,

R 18 E S 26 in NE.,

S 35 in SE. and S 34 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, level and mountainous.

Soil, sandy and rocky, 3rd. rate.

SUBDIVISIONS OF T. & S., R. 18 E.

CHAINS	
	No timber.
	Undergrowth, greasewood brush.
	Mountainous land on 54.00 chs.
40.00	N. 89° 59' E., on a random line, bet. secs. 26 and 35. Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 25-26-35 and 36. Thence I run S. 89° 58' W., on a true line, Bet. secs. 26 and 35.
18.00	Descend over rocky and mountainous land. Hollow, 75 ft. deep, course SW. Ascend.
22.50	Spur, projects S. Descend.
26.00	Hollow, 50 ft. deep, course SE. Ascend.
38.00	Ridge, bears NW. and SE. Descend.
39.95	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 26 on N. half, S 35 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
50.00	Hollow, 50 ft. deep, course SE. Ascend.
59.00	Ridge, bears NW. and SE. Descend.
61.50	Head of hollow, course S. Ascend.
63.00	Spur, projects S. Descend.
74.50	Hollow, 75 ft. deep, course S.

SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS

- Abrupt ascent.
- 79.90 The cor. of secs. 26-27-34 and 35.
Land, mountainous.
Soil, rocky, 3rd. rate.
No timber.
Undergrowth, shad scale, sage brush and bunch grass.
Mountainous land on 79.90 chs.
-
- N.0°01'W., bet. secs. 26 and 27.
Ascend over rocky and mountainous land.
- 5.50 Spur, projects SE.
Descend.
- 9.00 Hollow, 50 ft. deep, course SE.
Ascend.
- 10.25 Spur, projects SE.
Descend.
- 11.50 Hollow, 50 ft. deep, course SE.
Ascend.
- 14.50 Ridge, bears NW. and SE.
Descend.
- 25.00 Hollow, 75 ft. deep, course E.
Ascend.
- 39.00 Begin abrupt ascent over huge boulders, bears E. and W.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 27 on W. half, S 26 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
- 48.00 Top of ascent, bears E. and W.
Gradual ascent.
- 55.04 Intersect S.bdy. of the Uintah Indian Reservation, 33.80 chs., N.72°51'W., from the 7 Mile cor., which is a sandstone, $4 \times 11 \times 7$ ins. above ground, marked and witnessed as described by the surveyor general.

SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS	
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 26 and 27, marked on brass cap, U I R CC on N. half, and
	T 8 S R 18 E S 26 S 27 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
	Pits impracticable.
	Land, mountainous and rolling.
	Soil, rocky and sandy, 3rd. and 4th. rate.
	No timber.
	Mountainous land on 48.00 chs.
	July 31: At this cor. I set off $18^{\circ}22'N.$ on decl. arc, and at 12h.06m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}06'N.$
	From the cor. of secs. 3-4-33 and 34, heretofore described on Sbdy. of Tp., I run N. $0^{\circ}02'W.$, bet. secs. 33 and 34.
	Descend over rocky and mountainous land.
4.25	Enter bottom of hollow, 75 ft. deep, course E.
	Over level sandy land, through sparse undergrowth.
14.00	Leave hollow.
	Ascend over broken land.
37.60	Ridge, bears NW. and SE.
	Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 33 on W. half, S 34 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
74.00	Hollow, 75 ft. deep, course E.
	Ascend.
77.50	Spur, projects SE.
	Descend.
79.50	Hollow, 50 ft. deep, course SE.
	Ascend.

SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS	
80.00	Set a sandstone, 18x12x6 ins., in mound of stone and earth for cor. of secs. 27-28-33 and 34, marked with 1 notch on S. and 3 notches on E. edges, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Note: On account of natural obstacles, it is impossible to set an iron post in the ground, within a radius of 10.00 chs. of this point.
	Land, mountainous and level. Soil, sandy and rocky, 3rd. and 4th. rate. No timber. Undergrowth, greasewood brush. Mountainous land on 70.25 chs.
	N. 89° 59' E., on a random line bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 26-27-34 and 35. Thence I run N. 89° 58' W., on a true line, Bet. secs. 27 and 34. Ascend over rocky and mountainous land.
1.00	Spur, projects S. Descend.
2.50	Hollow, 50 ft. deep, course S. Ascend..
3.76	Spur, projects S. Abrupt descent.
5.75	Enter bottom of hollow, 75 ft. deep, course SE. Over level sandy land, through sparse undergrowth.
18.00	Leave hollow. Ascend.
39.96	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 27 on N.

SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS	
	half, S 34 on S. half, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
71.00	Rocky spur, projects SE.
	Descend over broken land.
79.92	The cor. of secs. 27-28-33, and 34.
	Land, mountainous and level.
	Soil, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, greasewood brush.
	Mountainous land on 67.67 chs.
	 N. 0°02' W., bet. secs. 27 and 28.
	Ascend over rocky and mountainous land.
3.00	Ridge, bears NE. and SW.
	Descend.
19.50	Hollow, 75 ft. deep, course NE.
	Ascend.
22.00	Spur, projects NE.
	Descend.
23.50	Hollow, 35 ft. deep, course NE.
	Ascend.
25.50	Spur, projects NE.
	Descend.
36.50	Enter bottom of hollow, 75 ft. deep, course SE.
	Over level sandy land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 28 on W. half, S 27 on E. half, dig pits, 18x18x12 ins., W. and S. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
42.50	Leave hollow.
	Begin abrupt ascent, bears E. and W.
53.00	Ridge, bears NW. and SE.
	Descend.

SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS	
79.60	<p>Intersect S.bdy.of the Uintah Indian Reservation, 37.69 chs., N.$72^{\circ}11'W.$, from the 8 Mile cor., which is a sandstone, 6x10x6 ins. above ground, marked and witnessed as described by the surveyor general.</p> <p>Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor.of secs.27 and 28, marked on brass cap, U I R CC on N.half, and</p> <p>T 8 S R 18 E S 27-S 28 on S.half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S.of cor.</p> <p>Pits impracticable.</p> <p>Land, mountainous and level.</p> <p>Soil, sandy and rocky, 3rd.rate.</p> <p>No timber.</p> <p>Undergrowth, greasewood brush.</p> <p>Mountainous land on 73.60.chs.</p>
	July 31, 1910
1.25	<p>August 1: At 8h.06m.am., l.m.t., I set off $40^{\circ}04'N.$ on lat. arc, $18^{\circ}10'N.$ on decl.arc, and determine a meridian with the solar at the cor.of secs.4-5-32 and 33, heretofore described on the S.bdy.of the Tp.</p> <p>Thence I run</p> <p>N.$0^{\circ}03'W.$, bet.secs.32 and 33.</p> <p>In bottom of hollow, course E., over level sandy land, through sparse undergrowth.</p> <p>Leave hollow.</p> <p>Begin abrupt ascent over rocky and mountainous land, bearing E.and W.</p>
40.00	<p>Point for $\frac{1}{4}$ sec.cor.falls on a sandstone boulder, 28x28x24 ins.above ground.</p> <p>I cut a cross,(X),at exact point for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.side of cross, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, w.of cor.</p> <p>Pits impracticable.</p>

. SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS	
	Note: On account of natural obstacles it is impossible to set an iron post in the ground, within a radius of 10.00 chs. of this point.
64.75	Ridge, bears NE. and SW. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, for cor. of secs. 28-29-32 and 33, marked on brass cap, T 8 S S 29 in NW., R 18 E S 28 in NE., S 33 in SE. and S 32 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, level and mountainous. Soil, sandy and rocky, 3rd. and 4th. rate. No timber. Undergrowth, greasewood brush. Mountainous land on 78.75 chs.
40.00	N. $89^{\circ}59' E.$, on a random line, bet. secs. 28 and 33. Set temp. $\frac{1}{2}$ sec. cor.
80.02	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 27-28-33 and 34. Thence I run S. $89^{\circ}58' W.$, on a true line, Bet. secs. 28 and 33. Descend over rocky and mountainous land.
0.50	Head of hollow, course SE. Ascend.
3.00	Spur, projects SE. Descend.
4.50	Hollow, 50 ft. deep, course SE. Ascend.
11.70	Spur, projects SE. Descend.
13.50	Hollow, 40 ft. deep, course SE.

SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS	
	Ascend.
17.00	Ridge, bears NE. and SW.
	Descend.
32.00	Hollow, 50 ft. deep, course NE.
	Ascend.
40.01	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 28 on N. half, S 33 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
60.00	Spur, projects N.
	Descend.
62.00	Hollow, 50 ft. deep, course N.
	Ascend.
70.00	Spur, projects N.
	Descend.
80.02	The cor. of secs. 28-29-32 and 33.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	No timber.
	Mountainous land on 80.02 chs.

N. 0°03' W., bet. secs. 28 and 29.

Descend over rocky and mountainous land.

4.00	Hollow, 50 ft. deep, course NE.
	Ascend.
5.00	Spur, projects E.
	Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on W. half, S 28 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
48.50	Hollow, 75 ft. deep, course E.
	Ascend.

SUBDIVISIONS OF T. 8 S., R. 18 E.

CHAINS	
55.00	Begin abrupt ascent, bears E. and W.
66.00	Spur, projects SE.
	Descend.
69.50	Hollow, 35 ft. deep, course SE.
	Ascend.
74.00	Ridge, bears W. and SE.
	Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 20-21-28 and 29, marked on brass cap, T 8 S S 20 in NW., R 18 E S 21 in NE., S 28 in SE. and S 29 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, mountainous.
	Soil, sandy and rocky, 3rd. rate.
	No timber.
	Mountainous land on 80.00 chs.
	August 1: At this cor. I set off $18^{\circ}07' N.$ on decl. arc, and at 12h. 06m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}06' N.$
	<hr/>
	N. $89^{\circ}58' E.$, on a true line, ,
	Bet. secs. 21 and 28.
	Descend over rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 on N. half, S 28 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
78.83	Intersect S. bdy. of the Uintah Indian Reservation, 40.78 chs., S. $72^{\circ}11' E.$, from the 9 Mile cor., which is a sandstone, 14x15x5 ins. above ground, marked and witnessed as described by the surveyor general.

SUBDIVISIONS OF T. 8 S., R. 18 E.

CHAINS

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 21 and 28, marked on brass cap, U I R CC on NE half, and

T 8 S R 18 E S 21 S 28 on SW. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, rolling.

Soil, sandy and rocky loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

N. 0°03' W., bet. secs. 20 and 21.

Descend over rolling land; through sparse undergrowth.

25.39

Intersect S.bdy. of the Uintah Indian Reservation, 42.04 chs. N. 72°06' W., from the 9 Mile cor., heretofore described.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 20 and 21, marked on brass cap, U I R CC on N. half, and

T 8 S R 18 E S 20 S 21 on S. half, dig pits, 24x18x12 ins. crosswise on each line, NW. and SE., 3 ft. and S. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.

Land, rolling.

Soil, sandy loam, 2nd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

August 1, 1910

August 2: At 8h. 06m., a.m., l.m.t., I set off 40°04' N. on

lat. arc, 17°55' N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 5-6-31 and 32, heretofore described on the S.bdy. of the Tp.

Thence I run

N. 0°03' W., bet. secs. 31 and 32.

SUBDIVISIONS OF T. 8 S., R. 18 E.

CHAINS	
	Descend over rocky and mountainous land.
4.50	Head of hollow, course E.
	Abrupt ascent over broken land.
35.80	Ridge, bears NE. and SW.
	Abrupt descent.
38.00	Hollow, 50 ft. deep, course W.
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 31. on W. half, S 32 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
55.00	Top of ascent, bears E. and W.
	Over level land.
74.00	Begin abrupt descent over solid ledges and huge sandstone boulders, bears E. and W.
80.00	Point for cor. falls on sandstone boulder, 36x30x30 ins. above ground. I cut a cross (X), at exact point for cor. of secs. 29-30-31 and 32, marked 5 grooves on E. and 1 groove on S. side of cross and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
Note:	On account of natural obstacles it is impossible to set an iron post, within a radius of 10.00 chs. of this point.
	Land, mountainous and level.
	Soil, sandy and rocky, 3rd. and 4th. rate.
	No timber.
	Mountainous land on 61.00 chs.

SUBDIVISIONS OF T. 8 S., R. 18 E.

CHAINS	
	N. $89^{\circ}59' E.$, on a random line, bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 28-29-32 and 33.
	Thence I run
	S. $89^{\circ}56' W.$, on a true line,
	Bet. secs. 29 and 32.
	Descend over rocky and mountainous land.
8.00	Hollow, 50 ft. deep, course NE.
	Ascend.
31.10	Ridge, bears NE. and SW.
	Descend.
39.98	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on N. half, S 32 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
49.00	Hollow, 75 ft. deep, course NE.
	Ascend.
62.00	Rocky spur, projects NE.
	Descend.
74.00	Hollow, 50 ft. deep, course N.
	Ascend over huge boulders.
79.96	The cor. of secs. 29-30-31 and 32.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	No timber.
	Mountainous land on 79.96 chs.

SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS	
40.00	S.89°59'W., on a random line, bet. secs. 30 and 31. Set temp. $\frac{1}{4}$ sec. cor.
79.32	Intersect W.bdy. of Tp., 5 lks. N. of the cor. of secs. 25-30-31 and 36, heretofore described. Thence I run N.89°57'E., on a true line Bet. secs. 30 and 31. Ascend over rolling and sandy land, along north slope, through sparse undergrowth.
39.32	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 on N. half, S 31 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
65.80	Ridge, bears N. and S. Descend abruptly along north slope over solid sandstone ledges and huge boulders.
79.32	The cor. of secs. 29-30-31 and 32. Land, rolling and mountainous. Soil, sandy and rocky, 3rd. and 4th. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass. Mountainous land on 13.52 chs.
3.00	N.0°03'W., bet. secs. 29 and 30. Descend over solid sandstone ledges. Hollow, 75 ft. deep, course NE.
4.25	Ascend. Rocky spur, projects NE. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 on W. half, S 29 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T. 8 S., R. 18 E.

CHAINS	
	Pits impracticable.
41.00	Hollow, 50 ft. deep, course E. Ascend over rolling and sandy land.
65.00	Ridge, bears E. and W. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 19-20-29 and 30, marked on brass cap, T 8 S S 19 in NW., R 18 E S 20 in NE., S 29 in SE. and S 30 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Note: On account of natural obstacles, it is impossible to set this post over 15 ins. in the ground.
	Land, rolling.
	Soil, sandy and rocky, 3rd. and 4th. rate.
	No timber.
	August 2: At this cor. I set off $17^{\circ}52'$ N. on decl. arc., and at 12h. 06m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}06' N.$
	N. $89^{\circ}56' E.$, on a random line, bet. secs. 20 and 29.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 20-21-28 and 29.
	Thence I run N. $89^{\circ}59' W.$, on a true line, Bet. secs. 20 and 29.
	Ascend over rolling sandy land, through sparse under growth.
40.04	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 20 on N. half, S 29 on S. half, dig pits, 18x18x12 ins., E. and W. of

SUBDIVISIONS OF T.8 S., R.18 E.

CHAINS	
	post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80.08	The cor. of secs. 19-20-29 and 30. Land, rolling. Soil, sandy, 3rd. rate. No. timber. Undergrowth, shad scale, sage brush and bunch grass.
	S. $89^{\circ}57'W.$, on a random line, bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.19	Intersect W. bdy. of Tp., 3 lks. N. of the cor. of secs. 19-24-25 and 30, heretofore described. Thence I run N. $89^{\circ}56'E.$, on a true line, Bet. secs. 19 and 30. Ascend over rolling and sandy land, through sparse undergrowth.
31.00	Ridge, bears NE. and SW. Descend.
39.19	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\pm S 19$ on N. half, S 30 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
79.19	The cor. of secs. 19-20-29 and 30. Land, rolling. Soil, sandy, 3rd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. $0^{\circ}03'W.$, bet. secs. 19 and 20. Descend over broken clay hills and mountainous land.
5.00	Hollow, 75 ft. deep, course NE. Abrupt ascent.

SUBDIVISIONS OF T. 8. S., R. 18. E.

CHAINS	
17.50	Clay ridge, bears E. and W. A abrupt descent.
33.00	Hollow, 75 ft. deep, course NE. Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 on W. half, S 20 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
44.73	Intersect S. bdy. of the Uintah Indian Reservation, 35.03 chs. S. 80° 06' E., from the 11 Mile cor., which is a sandstone, 16x20x4 ins. above ground, marked and witnessed as described by the surveyor general. Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for closing cor. of secs. 19 and 20, marked on brass cap, U I R CC on N. half, and T 8 S R 18 E S 19 S 20 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. Pits impracticable.

NOTE: On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.

Land, mountainous.

Soil, rocky and clay, 3rd. and 4th. rate.

No timber.

Mountainous land on 44.73 chs.

August 2, 1910

GENERAL DESCRIPTION.

This fractional township lies on the south side of the Uintah Indian Reservation and the surface is generally mountainous or rolling and the soil either sandy, rocky or clay and is generally covered with a sparse growth of desert brush and bunch grass.

GENERAL DESCRIPTION OF T.8 S., R.18 E.

CHAINS

No portion of the township is fit for agricultural purposes.

There is no timber or water on this township.

There are no settlers or improvements in this township.

There are no indications of coal, oil or mineral found in this township.

Frank P. Roberts
U.S. Deputy Surveyor

Volume

#

R0365

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____
 _____, United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of the survey of _____
 showing the respective capacities in which they acted:

 _____, *Chairman.*
 For list of names and final oath of assistants see book "Z⁶", *Chairman.*
 T. 10 S., R. 19 E. _____, *Moundman.*
 _____, *Moundman.*
 _____, *Axman.*
 _____, *Axman.*
 _____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____
 _____, United States Deputy Surveyor, in surveying all
 those parts or portions of the _____

_____ of the _____
 meridian, _____ of _____, which are represented
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for _____

 _____, *Chairman.*
 _____, *Chairman.*
 _____, *Moundman.*
 _____, *Moundman.*
 _____, *Axman.*
 _____, *Axman.*
 _____, *Flagman.*

Subscribed and sworn to before me this _____
 day of _____, 19 _____ }

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor Genoral for _____, bearing date of the _____ day of _____, 19_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z" T. 10 S., R. 19 E.

_____ of the _____
meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 19_____ }

SEAL

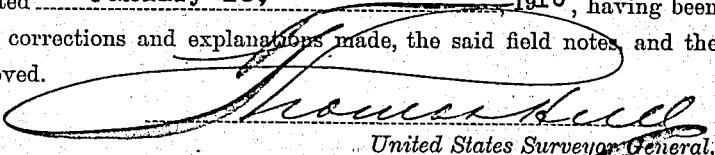
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 23, 1911

The foregoing field notes of the survey of the subdivisional lines or fractional Township No. 8 South, Range No. 18 East of the Salt Lake Base and Meridian, Utah,

executed by _____ Frank T. Roberts
under his contract No. 318, dated January 15, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.



Frank T. Roberts
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-679.

" Z3 "

365
FILED
MAR 13 1910
W.H.B.

87K

FIELD NOTES

OF THE SURVEY OF THE

NORTH and SOUTH BOUNDARIES

of

TOWNSHIP NO. 9 SOUTH, RANGE NO. 19 EAST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 318, dated January 15, 1910

Survey commenced August 3, 1910

Survey completed August 5, 1910

6-161

South 105-62 ✓

28-24 ✓

North 129-67 ✓

335-24

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooper, _____ Chainman

Thomas Callahan, _____ "

Thomas J. Garrod, _____ Moundman

Claude L. Heist, _____ "

John William Simpson, _____ Axman

Claude Hume, _____ Flagman

For preliminary affidavits see book "B" T. 10 S., R. 14 E.

INDEX DIAGRAM.

Township 9 South, *Range* 19 E.

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80	29	28	27	26	25	
31	32	33	34	35	36	
2	3					

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____ do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____
day of _____, 190 _____



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 190 _____



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 190 _____



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 190 _____



SOUTH BOUNDARY OF T.9 S., R.19 E.

CHAINS	/ Survey commenced August 3, 1910, and executed with the instrument described in book "A", of this survey. I examine the adjustments of the transit and correct the level and collimation errors, then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows: At the cor. of Tps. 9 and 10 S., Rs. 18 and 19 E., heretofore described in approximate lat. $39^{\circ}59'N$. long. $109^{\circ}52'W$., I set off $39^{\circ}59'N$. on lat.arc, $17^{\circ}34'N$. on decl.arc, and at 4h.06m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.N. of my station. At 10h.44.5 m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs.N. of my station. August 3, 1910 August 4: At 7 a.m., I lay off the azimuth of Polaris, $1^{\circ}32'$ to the west and mark the meridian thus determined by cutting a small groove in the stone set last evening on which the meridian falls 0.2 ins. east of the mark determined by the solar. At 8h.06m., a.m., l.m.t., I set off $39^{\circ}59'N$. on lat.arc, $17^{\circ}24'N$. on decl.arc, and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs.N. of my station; this mark falls 0.2 ins. east of the meridian established by the Polaris observation. The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0'11''$ west and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.
--------	---

SIGHTED BOUNDARY OF T. 9 S., R. 19 E.

CHAPTERS

The magnetic bearing of the true meridian at St. John's, N. B., is $5.16^{\circ}30' E.$, the angle thus determined gives the magnetic $16^{\circ}30' E.$

From the Spur, already described, I run
East, bet. sec. 6 and 31.

Descent over rocky and continuous land.

4.50 Rest of hollow, course NW.

Ascent.

12.70 Spur, projects NW.

Descent.

23.50 Hollow, 100 ft. deep, course NW.

Abrupt descent.

33.30 Sandstone spur, projects NW.

Abrupt descent over solid sandstone.

40.00 Valley on smooth slope of the bare sandstone ledges.

I cut a cross (X), at exact point for $\frac{1}{2}$ sec. cor., mark
 $\frac{1}{2}$ on E. side of cross, and raise a mound of stone,
a ft. base, 1 ft. high, N. of cor.

Pits transitable.

Note:

On account of natural obstacles it is impossible to
set an iron post in the ground, within a radius of
10.00 cas. of this point.

42.00 Hollow, 125 ft. deep, course NW.

Abrupt descent over sandstone ledges.

52.30 Rocky ridge, bears NNE. and SW.

Abrupt descent.

62.00 Hollow, 150 ft. deep, course NW.

Abrupt descent.

72.00 Spur, projects N.

Descent.

72.60 Valley, 400 ft. deep, course N.

Ascent.

82.00 Cut on bank, 165.3 ft. long, 3 lbs. 6 oz., is mound of stone
and gravel, for cor., of spurs. 9-6-11 and 12, marked on brass

SOUTH BOUNDARY OF T.9 S..R.19 E.

	CHAINS	<p>cap; T 9 S S 31. in NW., R 19 E S 32 in NE., R 19 E S 5 in SE. and T 10 S S 6 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Pits impracticable.</p> <p>Note: On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.</p> <p>Land, mountainous.</p> <p>Soil, rocky, 3rd. and 4th. rate.</p> <p>No timber.</p> <p>Mountainous land on 80.00 chs.</p> <hr/> <p>East, bet. secs. 5 and 32.</p> <p>Ascend over rocky and mountainous land.</p> <p>Rocky spur, projects N.</p> <p>Descend abruptly over sandstone ledges.</p> <p>To right bank of Green River.</p> <p>Set an iron post, 3 ft. long, 3 ins. dia., in mound of stone and earth, for meander cor. of fract. secs. 5 and 32, marked on brass cap, T 9 S R 19 E on N. half, T 10 S R 19 E on S. half, M C on E. half, and S 32 S 5 on W. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Pits impracticable.</p> <p>Note: On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.</p> <p>Land, mountainous.</p> <p>Soil, rocky, 3rd. rate.</p> <p>No timber.</p> <p>Mountainous land on 5.62 chs.</p>
1.00		
5.62		

, 1910, August 4, 1910.

NORTH BOUNDARY OF T.9 S., R.19 E.

CHAINS

- August 5: At 8h.06m., a.m., l.m.t., I set off $40^{\circ}04' N.$ on lat.arc, $17^{\circ}08' N.$ on decl.arc, and determine a meridian with the solar at the cor. of Tps. 8 and 9 S., Rs. 18 and 19 E., heretofore described.
Thence I run
East, bet. secs. 6. and 31.
Descend over rocky and mountainous land, through sparse undergrowth.
- 4.25 Hollow, 50 ft. deep, course SE.
Ascend.
- 15.75 Rocky spur, projects S.
Abrupt descent.
- 21.00 Hollow, 50 ft. deep, course S.
Ascend.
- 36.00 Rocky spur, projects SE.
Descend.
- 39.00 Hollow, 50 ft. deep, course SE.
Ascend over broken land.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4} S 31$ on N. half, S 6 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Pits impracticable.
- 59.00 Ridge, bears NW. and SE.
Descend over broken land.
- 79.00 Hollow, 75 ft. deep, course SE.
Abrupt ascent.
- 80.00 Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 5-6-31 and 32, marked on brass cap, T 8 S S 31 in NW.,
R 19 E S 32 in NE.,
S 5 in SE. and S 6 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.

NORTH BOUNDARY OF T.9 S., R.19 E.

CHAINS

Land, mountainous.
 Soil, rocky and sandy, 3rd. rate.
 No timber.
 Undergrowth, shadscale, sage brush and bunch grass.
 Mountainous land on 80.00 chs.

East, bet. secs. 5 and 32.
 Ascend over rocky and mountainous land.
 5.50 Spur, projects S.
 Descend.
 13.00 Hollow, 50 ft. deep, course SW.
 Ascend.
 21.00 Spur, projects SW.
 Descend.
 29.62 Intersect S.bdy. of the Uintah Indian Reservation, 28.29
 chs.. S. 59° 19' E., from the 4 Mile cor., which is a
 sandstone, 5x9x5 ins. above the ground, marked and
 witnessed as described by the surveyor general.
 Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the
 ground, for closing cor. of fract. secs. 5 and 32, marked
 on brass cap, U I R CC on NE. half,
 T 8 S R 19 E S 32 in NW., and
 T 9 S R 19 E S 5 in SW. quadrant, and raise a mound of
 stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.
 Land, mountainous.
 Soil, rocky, 3rd. rate.
 No timber.
 Undergrowth, shad scale, sage brush and bunch grass.
 Mountainous land on 29.62 chs.

August 5, 1910

BOUNDARIES OF T. 9 S., R. 19 E.

Latitudes, departures and closing errors

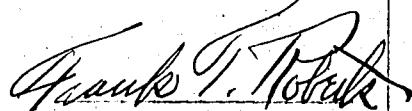
Line Designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
Keanders in Sec. 32		Chs.	Chs.	Chs.	Chs.	Chs.
	N. 10°00'E.	5.90	5.81	-	1.02	
	N. 25°00'E.	7.00	6.34	-	2.96	
	N. 54°00'E.	10.00	5.88	-	8.09	
	N. 83°30'E.	21.00	2.38	-	20.86	
	N. 55°00'E.	9.00	5.16	-	7.37	
	East	7.00	-	-	7.00	
	S. 85°00'E.	7.00	-	0.61	6.97	
Sec. 33	N. 72°00'E.	9.00	2.78	-	8.56	
	N. 33°00'E.	5.50	4.61	-	2.69	
	N. 24°00'E.	19.00	17.36	-	7.73	
	N. 22°00'E.	5.00	4.64	-	1.87	
	N. 20°00'E.	12.00	11.28	-	4.10	
	N. 19°00'E.	10.00	9.45	-	3.26	
Sec. 28	North	2.25	2.25	-	-	
	N. 14°30'E.	12.00	11.62	-	3.00	
	N. 40°15'E.	10.00	9.97	-	0.74	
	N. 40°00'E.	12.30	12.27	-	0.86	
	N. 9°15'E.	9.00	8.88	-	1.45	
	N. 10°00'E.	15.00	14.77	-	2.60	
	N. 26°00'E.	9.70	8.72	-	4.25	
	N. 33°00'E.	10.00	8.39	-	5.45	
Sec. 21	N. 39°00'E.	7.00	5.44	-	4.40	
	N. 68°45'E.	3.60	1.30	-	3.35	
	N. 63°00'E.	11.70	5.31	-	10.42	
	S. 74°00'E.	9.50	-	2.62	9.13	
	S. 73°00'E.	5.60	-	1.64	5.35	
Sec. 28	S. 62°00'E.	5.00	-	2.35	4.41	
Sec. 27	S. 70°26'E.	5.12	-	1.71	4.82	
	S. 75°00'E.	20.00	-	5.18	19.32	
	S. 75°15'E.	12.00	-	3.06	11.60	
	S. 83°00'E.	11.40	-	1.39	11.31	
	N. 81°00'E.	7.00	1.10	-	6.91	
	N. 66°00'E.	7.60	3.09	-	6.94	
	N. 68°00'E.	14.00	5.24	-	12.98	
Sec. 22	N. 55°15'E.	3.30	1.88	-	2.71	
	N. 46°00'E.	1.00	0.69	-	0.72	
	N. 32°00'E.	3.50	2.97	-	1.85	
Sec. 23	N. 21°00'E.	15.70	14.66	-	5.63	
	N. 25°00'E.	11.00	9.97	-	4.65	
	N. 37°15'E.	7.50	5.97	-	4.54	
	N. 45°00'E.	19.00	13.44	-	13.44	
	N. 46°15'E.	12.00	8.30	-	8.67	
	N. 42°00'E.	9.00	6.69	-	6.02	
	N. 31°00'E.	14.00	12.00	-	7.21	
Sec. 14	N. 29°30'E.	6.10	5.31	-	3.00	
	N. 41°00'E.	3.50	2.64	-	2.30	
	N. 33°45'E.	10.30	8.56	-	5.72	
	N. 22°30'E.	3.50	3.23	-	1.34	
	N. 17°15'W.	12.00	11.46	-	-	
	N. 8°30'E.	8.00	7.91	-	3.56	
	N. 18°00'W.	5.00	4.76	-	-	
	N. 17°00'W.	11.00	10.52	-	1.55	
	N. 8°00'E.	10.00	9.90	-	3.22	
	North	9.20	9.20	-	1.39	
Sec. 11	N. 2°30'E.	9.20	9.19	-	0.40	
	N. 23°45'E.	2.80	2.56	-	1.13	
	N. 25°45'E.	2.50	2.25	-	1.09	
	N. 72°00'W.	1.95	0.60	-	1.85	
	Totals,	341.35	18.56	296.76	10.18	

BOUNDARIES OF T.9 S., R.19 E. continued

Latitudes, departures and closing errors

Line Designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
			Chs.	Chs.	Chs.	Chs.
Front Forward			341.35	18.56	296.76	10.18
S. Edy. of U.						
Ind. Res.	N.72°00'W.	14.40	4.45			13.69
	N.59°23'W.	79.82	40.65			68.69
	N.58°36'W.	80.51	41.95			67.72
	N.56°41'W.	79.87	43.87			66.74
	N.59°19'W.	51.71	26.39			44.47
N. Edy. of T. 9 S., R.19 E.	West	109.62				109.62
W. Edy.	South	480.00		480.00		
S. Edy.	East	85.62			85.62	
Convergency						0.32
	Totals		498.66	498.56	382.38	381.43
			498.56		381.43	
	Errors in lat. and dep.	0.10			0.95	

For General Description see Subdivisions of T.9 S., R.19 E.



U.S. Deputy Surveyor

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank T. Roberts,
 ..., United States Deputy Surveyor, to assist in running, measuring, and
 working the lines and corners described in the foregoing field notes of the survey of the E.bdy. of
 10 S., R.14 E., the N. & E.bdys. of T.10 S., Rs.15,16,17 & 18 E., N.bdy. of
 10 S., R.19 E., the N. & E.bdys. of T.9 S., Rs.15,16,17 & 18 E., N.bdy. of T.9 S.,
 19 E., the E.bdys. of T.8 S., Rs.15,16,17 & 18 E., S.L.B. & M., in the state
 wing the respective capacities in which they acted: of Utah.

Granville A. Cooper, Chainman.
Thomas Callahan, Chainman.
Thomas J. Garrod, Moundman.
Claude L. Heist, Moundman.
John William Simpson, Axman.
Claude Hume, Axman.
Claude Hume, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank T. Roberts,

..., United States Deputy Surveyor, in surveying all
 the parts or portions of the E.bdy. of T.10 S., R.14 E., the N. & E.bdys. of T.10 S.,
 15,16,17 & 18 E., the N.bdy. of T.10 S., R.19 E., the N. & E.bdys. of T. 9 S.,
 15,16,17 & 18 E., N.bdy. of T.9 S., R.19 E., the E.bdys. of T.8 S., Rs.15,
 17 & 18 E., of the Salt Lake
 meridian, in the state of Utah, which are represented
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 monuments established, according to the instructions furnished by the United States Surveyor
 general for the state of Utah.

Granville A. Cooper, Chainman.
Thomas Callahan, Chainman.
Thomas J. Garrod, Moundman.
Claude L. Heist, Moundman.
John William Simpson, Axman.
Claude Hume, Axman.
Claude Hume, Flagman.

scribed and sworn to before me this 5th.
 day of August, 1910 }

Frank T. Roberts

U.S. Deputy Surveyor



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Frank T. Roberts, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Thomas Hull, United States Surveyor General for Utah, bearing date on the 15th day of January, 1910, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the E. bdy. of T. 10 S., R. 14 E., the N. & E. bdy's. of T. 10 S., Rs. 15, 16, 17 and 18 E., the N. hdy. of T. 10 R. 19 E., the N. & E. bdy's. of T. 9 S., Rs. 15, 16, 17 and 18 E., the N. bdy. T. 9 S., R. 19 E. and the E. bdy's. of T. 8 S., Rs. 15, 16, 17 and 18 E. of the Salt Lake.

Base and 18° 50' 30" E. P. C. Meridian in the state of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said Frank T. Roberts, and sworn to before me,

this 19th day of May, 1911, A.D.

U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah

May 25, 1911

The foregoing field notes of the survey of the North and South Boundaries of Township No. 8 South, Range No. 19 East of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts

under his contract No. 318, dated January 15, 1910, 7 AM, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

United States Surveyor General

I certify that the foregoing transcript of the field notes of the herein-described surveys in, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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4-679.

" Z⁴"

FILED

MAR 13 1911

W.H. H.

FIELD NOTES

OF THE SURVEY OF THE

S U B D I V I S I O N S

of

TOWNSHIP NO. 9 SOUTH, RANGE NO. 19 EAST

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

under his Contract No. 318, dated January 15, 1910.

Survey commenced August 4, 1910.

Survey completed August 10, 1910.

5-111

34-26-43 ✓ Relating to Mineral
102-89 ✓ 6-50-22 ✓

NAMES AND DUTIES OF ASSISTANTS.

✓

Granville A. Cooper, _____ Chainman

Thomas Callahan, _____ "

Thomas J. Garrod, _____ Moundman

Claude L. Heist, _____ "

John William Simpson, _____ Axman

Claude Hume, _____ Flagman

For preliminary affidavits see book "C" T. 10 S., R. 14 E.

INDEX DIAGRAM.

Township 9 South,..... Range 19 East,.....

6	9	8	20	4		3	2	1
8		19		28				
7	7	8	19	9	27	10	11	12
6		18		27		34	35	
18	5	17	17	16	26	15	33	13
5		16		22		29	32	
10	4	20	15	21	22	22	30	23
11		15	14		24	25		
30	3	29	12	28	24	27	26	25
2		10	11					
31	1	32	10	33		34	35	36

Meanders Page ... 37, 38, 39, 40 and 41.

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PRELIMINARY OATHS OF ASSISTANTS.

We, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in running, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 19 }

We, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 19 }

We, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 19 }

I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 19 }

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS	
	Survey commenced, August 4, 1910, and executed with the instrument described in book "A", of this survey.
	I know the instrument to be in adjustment from recent observations made August 3 and 4, 1910, and recorded in book "Z3", of this survey.
	I begin at the cor.of secs.5-6-31 and 32, set this same day, heretofore described, and run
	N.0°01'E., bet.secs.31 and 32.
	Descend abruptly over rocky and mountainous land.
30.00	Hollow, 300 ft. deep, course NE.
	Abrupt ascent.
34.50	Rocky spur, projects NE.
	Abrupt descent.
38.50	Hollow, 200 ft. deep, course E.
	Abrupt ascent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 31 on W. half, S 32 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
45.00	Rocky ridge, bears NE. and SW.
	Descend.
55.00	Hollow, 75 ft. deep, course NE.
	Ascend.
70.00	Spur, projects E.
	Abrupt descent.
79.75	Hollow, 150 ft. deep, course E.
	Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor.of secs.29-30-31 and 32, marked on brass cap, T 9 S S 30 in NW., R 19 E S 29 in NE., S 32 in SE. and S 31 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS

Pits impracticable.

Land, mountainous.

Soil, rocky, 3rd. and 4th. rate.

No timber.

Mountainous land on 80.00 chs.

August 4: At this cor. I set off $17^{\circ}21'N.$ on decl. arc, and at 0h..06m., p.m., l.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}00'N.$

West, on a random line, bet. secs. 30 and 31.

Set temp. $\frac{1}{4}$ sec. cor.

Intersect W.bdy. of Tp., 5 lks. N. of the cor. of secs. 25-30-31 and 36, heretofore described.

Thence I run

$N.89^{\circ}58'E.$, on a true line,

Bet. secs. 30 and 31.

Descend over rocky land, through sparse undergrowth.

Hollow, 50 ft. deep, course NE.

Ascend.

34.00

Spur, projects NE.

Descend.

39.98

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 on N. half, S 31 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

Hollow, 75 ft. deep, course NE.

Ascend.

69.50

Rocky spur, projects N.

Descend.

73.00

Enter same hollow, 100 ft. deep, course E.

Descend along north side of hollow.

79.96

The cor. of secs. 29-30-31 and 32.

Land, rolling.

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS	
	Soil, rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	<hr/>
	N.0°01'E., bet. secs. 29 and 30.
	Ascend over rocky land.
4.15	Spur, projects W.
	Descend.
7.00	Head of hollow, course SW.
	Ascend over broken land.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 on W. half, S 29 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
40.10	Ridge, bears E. and W.
	Descend over shifting sand.
58.00	Hollow, 75 ft. deep, course NE.
	Ascend.
63.25	Spur, projects NE.
	Descend.
75.00	Hollow, 40 ft. deep, course NE.
	Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 19-20-29 and 30, marked on brass cap, T 9 S S 19' in NW., R 19 E S 20 in NE., S 29 in SE. and S 30 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, rolling.
	Soil, sandy and rocky, 3rd. rate.
	No timber.

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS

- S.89°58'W., on a random line, bet. secs. 19 and 30.
Set temp. $\frac{1}{2}$ sec.cor.
Intersect W.bdy. of Tp., 3 lks.N. of the cor. of secs. 19-24-25 and 30, heretofore described.
Thence I run
N.89°57'E., on a true line,
Set. secs. 19 and 30.
Descend over rolling land, through sparse undergrowth.
Set an iron post, 3 ft. long, 1 in. dia.. 26 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked on brass cap, $\frac{1}{2}$ S 19 on N. half, S 30 on S.half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
Pits impracticable.
The cor. of secs. 19-20-29 and 30.
Land, rolling.
Soil, sandy and rocky, 3rd.rate.
No timber.
Undergrowth, shad scale, sage brush and bunch grass.
-
- N.0°01'E., bet. secs. 19 and 20.
Ascend over rolling land, through sparse undergrowth.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked on brass cap, $\frac{1}{2}$ S 19 on W. half, S 20 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high, W.of cor.
Ridge, bears NE. and SW.
Descend.
Set an iron post, 3 ft. long, 2 ins.dia.. 24 ins. in the ground, for cor. of secs. 17-18-19 and 20, marked on brass cap, 7 9 S S 18 in NW.,
R 19 E S 17 in NE.,
S 20 in SE. and S 19 in SW.quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft.dist., and raise a mound of earth, 4 ft.base, 2 ft. high, W.of cor.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS	
	Land, rolling.
	Soil, sandy, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
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40.00	S. 89° 57' W., on a random line, bet. secs. 18 and 19. Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect W. bdy. of Tp., 3 lks. S. of the cor. of secs. 13-18-19 and 24, heretofore described. Thence I run
	N. 89° 58' E., on a true line,
	Bet. secs. 18 and 19.
	Descend over rolling land, through sparse undergrowth.
39.96	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 on N. half, S 19 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.92	The cor. of secs. 17-18-19 and 20. Land, rolling. Soil, sandy loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
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	N. 0° 01' E., bet. secs. 17 and 18.
	Descend over rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 on W. S 17 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
67.25	Wash, 10 lks. wide, 5 ft. deep, course SE.
78.43	Road from Green River to Pariette, bears NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS

ground, for cor. of secs. 7-8-17 and 18, marked on brass cap, $\frac{1}{4}$ S 7 in NW.,
 R 19 E S 8 in NE.,
 S 17 in SE. and S 18 in SW. quadrant, dig pits, 18x18x12 ins.
 in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth,
 4 ft. base, 2 ft. high, W. of cor.
 Land, rolling.
 Soil, sandy loam, 2nd. rate.
 No timber.
 Undergrowth, sand scale, sage brush and bunch grass.

August 4, 1910

August 5: Solar observation for this day is taken at
 the cor. of Tps. 8 and 9 S., Rs. 18 and 19 E., and recorded
 in book "z³" of this survey.

From the cor. of secs. 7-8-17 and 18, I run
 S. $89^{\circ}58'$ W., on a random line, bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect W. body of Tp., 3 lks. S. of the cor. of secs.
 7-12-13 and 18, heretofore described.
 Thence I run

N. $89^{\circ}59'$ E., on a true line,

Bet. secs. 7 and 18.

Descend over rolling land, through sparse undergrowth.

39.94 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 7 on N.
 half, S 18 on S. half, dig pits, 18x18x12 ins., E. and W. of
 post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base,
 1 $\frac{1}{2}$ ft. high, W. of cor.

57.50 Wash, 10 lks. wide, 5 ft. deep, course SE.

75.50 Road from Green River to Pariette, bears NW. and SE.

79.88 The cor. of secs. 7-8-17 and 18.

Land, rolling.

Soil, sandy loam, 2nd. rate.

No timber.

Undergrowth, sand scale, sage brush and bunch grass.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS

August 5: At this cor. I set off $17^{\circ}05'N.$ on decl. arc, and at 0h..06m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}03'N.$

N. $0^{\circ}01'E.$, bet. secs. 7 and 8.

Ascend over rolling land, through sparse undergrowth.

40.00

On top of spur, projects E.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 7$ on W. half, S 8 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Descend.

60.00

Hollow, 40 ft. deep, course E.

Ascend.

62.50

Spur, projects E.

Descend.

64.00

Hollow, 40 ft. deep, course E.

Ascend.

66.00

Spur, projects E.

Descend.

68.00

Foot of descent, bears NW. and SE.

Over level sandy land, in bottom of hollow, 75 ft. deep, a course SE.

80.00

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 5-6-7 and 8, marked on brass cap T 9 S S 6 in NW., R 19 E S 5 in NE.,

S 8 in SE. and S 7 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling, and level.

Soil, rocky and sandy, 3rd. rate.

No timber.

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS

Undergrowth, greasewood, shad scale, sage brush and bunch grass.

S.89°59'W., on a random line, bet. secs. 6 and 7.
Set temp. $\frac{1}{4}$ sec. cor.

79.92 Intersect W.bdy. of Tp., at the cor. of secs. 1-6-7 and 12, heretofore described.

Thence I run

N.89°59'E., on a true line,
Bet. secs. 6 and 7.

10.00 Ascend over rocky and mountainous land.

Spur, projects N.

Descend over broken land.

27.75 Hollow, 75 ft. deep, course N.

Ascend over broken land.

39.96 Spur, projects N.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 6 on N. half, S 7 on S.half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

Pits impracticable.

Abrupt descent.

42.00 Foot of descent, bears NW. and SE.

Over level sandy land in bottom of hollow, 75 ft. deep, course SE., through sparse undergrowth.

79.92 The cor. of secs. 5-6-7 and 8.

Land, mountainous and level.

Soil, rocky and sandy, 3rd. and 4th. rate.

No timber.

Undergrowth, greasewood brush.

Mountainous land on 42.00 chs.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS	
	N. 0°01'E., on a random line, bet. secs. 5 and 6.
40.00	Set temp. + sec. cor.
79.98	Intersect N. bdy. of Tp., 5 lks. W. of the cor. of secs. 5-6-31 and 32, heretofore described. Thence I run S. 0°03'W., on a true line, Bet. secs. 5 and 6.
	Descend over rocky and mountainous land..
1.00	Hollow, 75 ft. deep, course SE.
	Ascend.
17.00	Spur, projects SE.
	Descend.
39.98	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 6 on W. half, S 5 on E. half, dig pits, 18x18x12 ins., N. and S. of post 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
40.25	Hollow, 50 ft. deep, course SE.
	Ascend.
49.00	Spur, projects SE.
	Descend.
60.00	Head of hollow, course E.
	Ascend.
66.00	Ridge, bears NW. and SE.
	Descend.
70.50	Foot of descent, bears NW. and SE.
	Over level sandy land, in bottom of hollow, 75 ft. deep, course SE., through sparse undergrowth.
79.98	The cor. of secs. 5-6-7 and 8. Land, mountainous and level. Soil, rocky and sandy, 3rd. and 4th. rate. No timber. Undergrowth, greasewood brush. Mountainous land on 70.50 chs.

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS	
	August 6: At 8h. 06m., a.m., l.m.t., I set off $40^{\circ}00' N.$ on lat.arc, $16^{\circ}52' N.$ on decl.arc, and determine a meridian with the solar at the cor. of secs. 29-30-31 and 32. Thence I run.
	East, on a true line, bet. secs. 29 and 32.
	Descend along north side of rocky hollow, course E.
9.00	Leave hollow, course from W. to SE.
	Ascend.
13.00	Spur, projects S.
	Descend.
15.00	Hollow, 50 ft. deep, course S.
	Ascend along broken south slope.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 29$ on N. half, S. 32 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
60.50	Rocky spur, projects SW.
	Descend along broken south slope.
80.00	Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the ground, for cor. of secs. 28-29-32 and 33, marked on brass cap, T 9 S S 29 in NW., R 19 E S 28 in NE., S 33 in SE. and S 32 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	No timber.
	Mountainous land on 80.00 chs.
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	S. $0^{\circ}01' W.$, bet. secs. 32 and 33.
	Descend over rocky and mountainous land.
22.00	Hollow, 100 ft. deep, course SE.
	Ascend.

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS	
29.75	Spur, projects E.. Abrupt descent.
39.00	Foot of abrupt descent, bears E. and W. Over level river bottom through dense undergrowth and scattering timber.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 32 on W. half, S 33 on E. half, from which A cottonwood, 12 ins. diam., bears N. 49°W., 31 lks. dist. marked $\frac{1}{4}$ S 32 BT. A cottonwood, 10 ins. diam., bears N. 24°E., 56 lks. dist. marked $\frac{1}{4}$ S 33 BT.
49.65	To right bank of Green River. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 32 and 33, marked on brass cap, MC on S. half, and T 9 S R 19 E S 32 S 33 on N. half, from which A cottonwood, 4 ins. diam., bears N. 15°30'E., 49 lks. dist., marked T 9 S R 19 E S 33 MC BT. A cottonwood, 4 ins. diam., bears N. 65°45'W., 39 lks. dist., marked T 9 S R 19 E S 32 MC BT. Land, mountainous and bottom land. Soil, rocky, 3rd. and 4th. rate on 39.00 chs. balance, loam, 1st. rate. Timber, cottonwood. Undergrowth, greasewood brush and willows. Mountainous land or dense undergrowth on 49.65 chs.
4.00	From the cor. of secs. 28-29-32 and 33, I run East, on a true line, bet. secs. 28 and 33. Descend over rocky and mountainous land. Hollow, 100 ft. deep, course SE. Abrupt ascent.
12.00	Spur, projects SE.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS	
	Abrupt descent.
14.75	Foot of abrupt descent, bears N. and S. Over level river bottom, through dense undergrowth.
19.00	Enter dense willow thicket and scattering timber, bearing N. and S.
19.75	To right bank of Green River. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 28 and 33, marked on brass cap, MC on E. half, T 9 S R 19 E on N. half, and S 28 S 33 on W. half, from which
	. . A cottonwood, 18 ins. diam., bears N. $17^{\circ}W.$, $62\frac{1}{2}$ lks. dist., marked T 9 S R 19 E S 28 MC BT.
	. . A cottonwood, 16 ins. diam., bears S. $36^{\circ}W.$, 214 lks. dist., marked T 9 S R 19 E S 33 MC BT.
	Land, mountainous and level river bottom. Soil, rocky, 3rd. and 4th. rate on 14.75 chs. balance, loam, 1st rate.
	Timber, cottonwood. Undergrowth, greasewood brush and willows. Mountainous land or dense undergrowth on 19.75 chs.
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	N. $0^{\circ}01' E.$, bet. secs. 28 and 29.
	Ascend over rocky land and mountainous land.
1.00	Spur, projects SE.
	Descend.
6.00	Hollow, 50 ft. deep, course SE.
	Abrupt ascent.
16.00	Ridge, bears NE. and SW.
	Descend.
23.00	Hollow, 50 ft. deep, course NE.
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, T 8 S 29 on W. half, S 28 on E. half, and raise a mound of stone, 2 ft. base.

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS	
	1½ ft. high, W. of cor.
	Pits impracticable.
45.00	Ridge, bears NE. and SW.
	Descend.
46.00	Head of hollow, course NW.
	Ascend.
56.00	Spur, projects W.
	Descend.
58.00	Hollow, 40 ft. deep, course W.
	Ascend.
62.00	Spur, projects W.
	Descend.
79.50	Hollow, 75 ft. deep, course NE.
	Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 20-21-28 and 29, marked on brass cap, T 9 S S 20' in NW., R 19 E S 21' in NE., S 28' in SE. and S 29' in SW. quadrant, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	No timber.
	Mountainous land on 80.00 chs.
	August 6: Cloud obscures the sun, observation for lat. impossible.
	West, on a random line, bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor..
79.98	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 19-20-29 and 30.
	Thence I run
	S. 89° 59' E., on a true line,
	Bet. secs. 20 and 29.
	Descend over rolling land, through sparse undergrowth.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS	
17.00	Hollow, 75 ft. deep, course NE.
	Ascend.
37.00	Spur; projects N.
	Descend.
39.99	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 20 on N. half, S 29 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
55.00	Hollow, 50 ft. deep, course N.
	Ascend.
62.00	Spur, projects N.
	Descend.
65.00	Head of hollow, course N.
	Ascend.
69.00	Ridge, bears NE. and SW.
	Descend.
75.00	Hollow, 30 ft. deep, course NE.
	Ascend.
77.25	Spur, projects NE.
	Descend.
79.98	The cor. of secs. 20-21-28 and 29.
	Land, rolling.
	Soil, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	East, on a true line, bet. secs. 21 and 28.
	Descend over rolling and, rocky land.
1.00	Hollow, 75 ft. deep, course NE.
	Ascend.
18.00	Spur, projects N.
	Descend.
34.00	Hollow, 50 ft. deep, course NE.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS	
	Ascend.
38.00	Spur, projects NE.
	Descend.
39.00	Foot of descent, bears N. and S.
	Over level land in river bottom through dense under-growth and scattering timber.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 on N. half, S 28 on S. half, from which
	A cottonwood, 40 ins. diam., bears N. 10° E., 41 lks. dist. marked $\frac{1}{4}$ S 21 BT.
	A cottonwood, 6 ins. diam., bears S. $64^{\circ}30'$ E., 100 lks. dist., marked $\frac{1}{4}$ S 28 BT.
42.50	To right bank of Green River.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 21 and 28, marked on brass cap, M C on E. half,
	T 9 S R 19 E on N. half, and
	S 21 S 28 on W. half, from which
	A cottonwood, 12 ins. diam., bears N. 23° W., 57 lks. dist. marked T 9 S R 19 E S 21 MC BT.
	A cottonwood, 5 ins. diam., bears South, 3 lks. dist., marked T 9 S R 19 E S 28 MC BT.
	Land, rolling and level.
	Soil, rocky, 3rd. rate on 39.00 chs.
	balance, loam, 1st. rate.
	Timber, cottonwood.
	Undergrowth, greasewood brush and willows.
	Land covered with dense undergrowth on 3.50 chs.
	N. $0^{\circ}01'$ E. bet. secs. 20 and 21.
	Ascend over rolling and rocky land.
2.50	Spur, projects NE.
	Descend.
4.25	Hollow, 50 ft. deep, course NE.

CHAINS

- Ascend.
- 20.00 Ridge,bears NE.and SW.
- Descend.
- 30.00 Hollow,40 ft.deep,course W.
- Ascend.
- 35.00 Spur,projects W.
- Descend.
- 39.70 Hollow,75 ft.deep,course NE.
- Ascend.
- 40.00 Set an iron post,3 ft.long,1 in.dia.,26 ins.in the ground,for $\frac{1}{2}$ sec.cor.,marked on brass cap, $\frac{1}{4}$ S 20 on W. half,S 21 on E.half, and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,W.of cor.
Pits impracticable.
- 64.00 Ridge,bears NE.and SW.
- Descend.
- 80.00 Set an iron post,3 ft.long,2 ins.dia.,in mound of stone and earth,for cor.of secs.16-17-20 and 21,marked on brass cap,T 9 S S 17 in NW.,
R 19 E S 16 in NE.,
S 21 in SE.,and S 20 in SW.quadrant, and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,W.of cor.
Pits impracticable.
- Note:
On account of natural obstacles it is impossible to set this post over 12 ins.in the ground.
- Land,rolling.
- Soil,rocky and sandy, 3rd.rate.
- No timber.
-
- N. $89^{\circ}59'W.$,on a random line,betsecs.17 and 20.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 79.94 Intersect N.and S.line,3 lks.N.of the cor.of secs. 17-18-19 and 20.
Thence I run

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS	
	East, on a true line, bet. secs. 17 and 20.
39.97	Over rolling land, through sparse undergrowth. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 17 on N. half, S 20 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
79.94	The cor. of secs. 16-17-20 and 21. Land, rolling. Soil, sandy loam, 2nd. rate. No timber. Undergrowth, shad scale, sage brush and bunch grass.
	N. 0°01' E., bet. secs. 16 and 17.
31.00	Descend over rolling land, through sparse undergrowth. Wash, 30 lks. wide, 5 ft. deep, course E.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 17 on W. half, S 16 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
50.00	Road from Green River to Pariette, bears NW. and SE.
64.00	Foot of descent, bears NW. and SE. Over level sandy land, in bottom of hollow, 75 ft. deep, course SE.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 8-9-16 and 17, marked on brass cap, T. 9 S. S 8 in NW., R 19 E S 9 in NE., S 16 in SE. and S 17 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling and level. Soil, sandy, 3rd. rate. No timber.

CHAINS

Undergrowth, shad scale, sage brush, greasewood and bunch grass.

August 6, 1910

August 7: At 8h.06m., a.m., l.m.t., I set off $40^{\circ}03'N.$ on lat.arc, $19^{\circ}35'W.$ on decl.arc, and determine a meridian with the solar at the cor.of secs.8-9-16 and 17.

Thence I run

West, on a random line, bet:secs.8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.96 Intersect N.and S.line, 3 lks.N.of the cor.of secs. 7-8-17 and 18'

Thence I run

$W.89^{\circ}59'E.$, on a true line,

Bet.secs.8 and 17.

Descend over rolling and sandy land, through sparse undergrowth.

39.98 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{2} S 8'$ on N. half, S 17' on S.half, dig pits, 18x18x12 ins., E.and W.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, N.of cor.

66.00 Foot of descent,bears NW.and S.
over level sandy land.

75.00 Begin ascent,bears NE.and SW.

77.00 Spur, projects NE.

Descend.

78.00 Foot of descent,bears N.and S.
over level land,in bottom of hollow, 75 ft.deep, course SE.

79.96 The cor.of secs.8-9-16 and 17.
Land,rolling and level.
Soil,sandy; 3rd.rate.

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS	
	No timber. Undergrowth, shad scale, sage brush, greasewood and bunch grass.
	N.0°01'E., bet. secs. 8 and 9.
	Over level sandy land, in bottom of wide hollow, course SE., through sparse undergrowth.
31.00	Leave hollow.
	Begin ascent over broken land, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 8 on W. half, S 9 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
50.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 4-5-8 and 9, marked on brass cap T 9 S S 5 in NW., R 19 E S 4 in NE., S 9 in SE. and S 8 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, level and rolling.
	Soil, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush, greasewood and bunch grass.
	S.89°59'W., on a random line, bet. secs. 5 and 8.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 5-6-7 and 8. Thence I run N.89°58'E., on a true line, Bet. secs. 5 and 8.

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS

Over level sandy land, in bottom of hollow, course SE., through sparse undergrowth.

18.00 Leave hollow.

Ascend over rocky and mountainous land, bearing NW. and SE.

21.90 Spur, projects S. Descend.

26.00 Head of hollow, course S. Ascend.

30.75 Spur, projects SE. Descend.

39.96 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 185 on N. half, S 8 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

51.50 Hollow, 75 ft. deep, course S. Abrupt ascent.

73.50 Spur, projects SW. Descend.

79.92 The cor. of secs. 4-5-8 and 9.

Land, level and mountainous.

Soil, sandy and rocky, 3rd. and 4th. rate.

No timber.

Undergrowth, greasewood brush.

Mountainous land on 61.92 chs.

Line 5, sec. 4, N. 0°01' E., bet. secs. 4 and 5.

Ascend over rocky and mountainous land.

3.75 Ridge, bears NE. and SW.

Descend.

6.00 Hollow, 35 ft. deep, course W.

Ascend.

8.00 Spur, projects W., 8 ins. off center.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS	
	Descend.
9.25	Hollow, 40 ft. deep, course W.
	Ascend.
11.00	Spur, projects W.
	Descend.
14.50	Hollow, 50 ft. deep, course SW.
	Abrupt ascent over broken land.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 5 on W. half, S 4 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
47.00	Spur, projects W.
	Descend.
49.95	Intersect S. bdy. of the Uintah Indian Reservation, 6.52 chs. S. $56^{\circ}41' E.$, from the 3 Mile cor., which is a sandstone, 12x10x6 ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor general.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. to fract. secs. 4 and 5, marked on brass cap, U I R CC on N. half, and T 9 S R 19 E S 4 S 5 on S. half, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	No timber.
	Mountainous land on 49.95 chs.
	August 7: At this cor. I set off $16^{\circ}32' N.$ on decl. arc, and at oh. .06m., p.m., 1.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}04' N.$

DIVISIONS OF T. 9 S., R. 17 E.

CROSS

From the cor. of secs. 16-17-20 and 21, 1 fm

west, on a true line, bet. secs. 16 and 21.

Ascend over rolling land, through sparse under-growth.

45.00

On top of ridge, bears NW. and SW.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for 1 sec. cor., marked on brass cap, 7 9 16 on N. half, 8 21/2 on S. half, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Pits impracticable.

Descent.

47.00

Hollow, 40 ft. deep, course SE.

Ascend.

51.00

Ridge, bears NW. and SW.

Descent.

54.00

Hollow, 50 ft. deep, course SE.

Ascend.

56.00

Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 16-16-21 and 22, marked on brass cap, 7 9 16 in NW., 8 19/2 E 16 in NE.,

8 12 in SW. and 8 21 in SE. quadrant, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor.

Pits impracticable.

NOTE:

On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.

Level, rolling.

Soil, sandy and rocky, dry, rate.

No timber.

Foliation - tall, short mesic, sage brush and bunch grass.

E. 0° 02' W., bet. secs. 21 and 22.

Descent over rolling and rocky land, through sparse under-growth.

57.00

Hollow, 40 ft. deep, course SW.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS	
	Ascend.
11.00	Spur, projects W.
	Descend.
15.75	Hollow, 50 ft. deep, course SE.
	Ascend.
20.00	Spur, projects SE.
	Descend.
36.00	Hollow, 50 ft. deep, course SE.
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 on W. half, S 22 on E. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
58.00	Spur, projects E.
	Descend.
61.5I	Foot of descent, bears E. and W. Over level bottom land, through dense undergrowth.
76.00	Enter scattering timber.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 21-22-27 and 28, marked on brass cap, T 9 S S 21 in NW., R 19 E S 22 in NE., S 27 in SE. and S 28 in SW. quadrant, from which A cottonwood, 30 ins. diam., bears N. $29^{\circ}30'$ E., 102 lks. dist., marked T 9 S R 19 E S 22 BT. A cottonwood, 28 ins. diam., bears S. 29° E., 62 lks. dist., marked T 9 S R 19 E S 27 BT. A cottonwood, 36 ins. diam., bears S. 65° W., 78 lks. dist. marked T 9 S R 19 E S 28 BT. A cottonwood, 36 ins. diam., bears N. $71^{\circ}30'$ W., 45 lks. dist., marked T 9 S R 19 E S 21 BT. Land, rolling and level bottom land. Soil, rocky, 3rd. rate on 61.5I chs.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS

balance, loam, 1st. rate.

Timber, cottonwood.

Undergrowth, greasewood brush and willows.

Land covered with dense undergrowth on 18.49 chs.

West, on a true line, bet. secs. 21 and 28.

Over level bottom land, through dense undergrowth.

4.83

To right bank of Green River.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 21 and 28, marked on brass cap, T 9 S R 19 E on N. half, MC on W. half, and S 21 S 28 on E. half, dig a pit, 36x36x12 ins., 8 ft. E. of post, and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.

Land, level bottom land.

Soil, loam, 1st. rate.

No timber.

Undergrowth, greasewood brush and willows.

Land covered with dense undergrowth on 4.83 chs.

S. 0°02' W., bet. secs. 27 and 28.

Over level bottom land, through dense undergrowth and scattering timber.

1.72

To right bank of Green River.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 27 and 28, marked on brass cap, MC on S. half, and

T 9 S R 19 E S 27 S 28 on N. half, from which

A cottonwood, 26 ins. diam., bears N. 14° W., 197 lks.
dist., marked T 9 S R 19 E S 28 MC BT.

A cottonwood, 18 ins. diam., bears N. 55° E., 114 lks.
dist., marked T 9 S R 19 E S 27 MC BT.

Land, level bottom land.

Soil, loam, 1st. rate.

Timber, cottonwood.

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS

Undergrowth, greasewood and willows.

Land, covered with dense undergrowth on 1.72 chs.

From the cor.of secs.21-22-27 and 28, I run

East, on a true line,betsecs.22 and 27.

Over level bottom land,through dense undergrowth and scattering timber.

40.00

Set an iron post,3 ft.long,1 in.dia.,26 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked on brass cap, $\frac{1}{4}$ S 22 on N. half,S 27 on S.half,from which

A cottonwood,14 ins.diam.,bears S.25°E.,264 lks.dist. marked $\frac{1}{4}$ S 27 BT.

A cottonwood,4 ins.diam.,bears N.80°E.,172 lks.dist., marked $\frac{1}{4}$ S 22 BT.

71.83

To right bank of Green River.

Set an iron post,3 ft.long,1 in.dia.,26 ins.in the ground,for meander cor.of fract.secs.22 and 27, marked on brass cap,M C on E.half, T.9 S R 19 E on N.half, and S 22 S 27 on W.half, from which

A cottonwood,4 ins.diam.,bears S.46°W.,47 lks.dist. marked T 9 S R 19 E S 27 MC BT.

A cottonwood,12 ins.diam.,bears N.40°W.,37 lks.dist. marked T 9 S R 19 E S 22 MC BT.

Land,level bottom land.

Soil,loam,1st.rate.

Timber, cottonwood.

Undergrowth, greasewood brush, rose bushes and willows.

Land covered with dense undergrowth on 71.83 chs.

August 7, 1910

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS

August 8: At 8h.06m., a.m., l.m.t., I set off $40^{\circ}02'N$.on lat.arc, $16^{\circ}18'N$.on decl.arc, and determine a meridian with the solar at the cor.of secs.15-16-21 and 22.

Thence I run

$N.0^{\circ}02'E.$, bet.secs.15 and 16.

Ascend over rolling land, through sparse undergrowth.

7.50 Ridge, bears NE. and W.

Descend.

25.25 Hollow, 40 ft. deep, course NW.

Ascend.

29.38 Road from Green River to Pariette, bears E. and W.

37.00 Spur, projects NW.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{2}$ S 16 on W. half, S 15 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

42.00 Foot of descent, bears NW. and SE.

Over level land, through dense undergrowth.

50.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor.of secs.9-10-15 and 16, marked on brass cap, T 9 S S 9 in NW.,

R 19 E S 10 in NE.,

S 15 in SE. and S 16 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling and level.

Soil, sandy, 3rd.rate.

No timber.

Undergrowth, greasewood brush, shad scale, and bunch grass.

Land covered with dense undergrowth on 38.00 chs.

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS	
	West, on a random line, bet. secs. 9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 8-9-16 and 17. Thence I run N. $89^{\circ}58'$ E., on a true line, Bet. secs. 9 and 16. Over level sandy land, in bottom of wide hollow, course SE., through dense undergrowth.
39.96	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 9 on N. half, S 16 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.92	The cor. of secs. 9-10-15 and 16. Land, level. Soil, sandy, 3rd. rate. No timber. Undergrowth, greasewood brush. Land, covered with dense undergrowth on 79.92 chs.
	N. $0^{\circ}02'$ E., bet. secs. 9 and 10. Over level sandy land, through dense undergrowth.
13.50	Begin ascent, bears E. and W.
15.00	Rocky spur, projects W.
	Descend.
21.00	Foot of descent, bears NE. and SW. Over level land.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 9 on W. half, S 10 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
55.00	Begin abrupt ascent, bears NE. and SW.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS

- 59.75 Ridge, bears NE. and SW.
Descend.
- 6.00 Head of hollow, course SW.
Ascend.
- 8.50 Ridge, bears NE. and SW.
Descend.
- 3.25 Intersect south bdy. of the Uintah Indian Reservation,
22.19 chs., S. $58^{\circ}36' E.$, from the 2 Mile cor., which is a
sandstone, 24x6x6 ins., firmly set in a mound of stone,
marked and witnessed as described by the surveyor
general.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the
ground, for closing cor. of secs. 9 and 10, marked on brass
cap, U I R CC on N. half, and
T. 9 S R 19 E S 9 S 10 on S. half, and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
It's impracticable.
Land, level and mountainous.
Soil, sandy and rocky, 3rd. and 4th. rate.
No timber.
Undergrowth, greasewood.
Mountainous land or. land covered with dense undergrowth
on 78.25 chs.
-
- From the cor. of secs. 4-5-8 and 9, I run
N. $89^{\circ}58' E.$, on a true line,
Bet. secs. 4 and 9.
Descend over broken, rocky and mountainous land.
Hollow, 60 ft. deep, course SE.
Ascend.
Spur, projects S.
Descend.
Hollow, 60 ft. deep, course S.
Ascend.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS

27.50	Spur, projects SE. Descend.
31.00	Hollow, 75 ft. deep, course SE. Abrupt ascent.
37.00	Spur, projects SE. Abrupt descent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S $\frac{1}{4}$ on N. half, S 9° on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
67.50	Hollow, 75 ft. deep, course SW. Abrupt ascent.
77.19	Intersect S. bdy. of the Uintah Indian Reservation, 18.84 chs. S. $58^{\circ}36' E.$, from the 2 Mile cor., heretofore described. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 4 and 9, marked on brass cap, U I R C C on NE. half, and T 9 S R 19 E S 4 S 9 on SW. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky, 3rd. rate. No timber. Mountainous land on 77.19 chs. August 3: At this cor. I set off $16^{\circ}15' N.$ on decl. arc, and at 10 m. 06 s., p.m., l.m.t., observe the sun on the meridian the resulting lat. is $40^{\circ}03' N.$
0.50	From the cor. of secs. 15-16-21 and 22, I run East, on a true line, bet. secs. 15 and 22. Ascend over rolling land, through sparse undergrowth. Spur, projects S. Descend.

SUBDIVISIONS OF T. 9 S., R. 19 E.

AINS

- .50 Hollow, 40 ft. deep, course SW.
Ascend.
- .00 Top of ascent, bears NW. and SE.
Over level land.
- .00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 15' on N. half, S 22' on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 00 Begin descent, bears NE. and SW.
Descend in bottom of hollow, course E.
- 00 Leave hollow, course SE.
Ascend along S. slope.
- 00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 14-15-22 and 23, marked on brass cap, T 9 S S 15' in NW.,
R 19 E S 14' in NE.,
S 23' in SE. and S 22' in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
Land, rolling and level.
Soil, sandy and rocky, 3rd. rate.
No timber.
Undergrowth, shad scale, sage brush and bunch grass.

S. 0°03' W., bet. secs. 22 and 23.

- Descend over rolling land, through sparse undergrowth.
Hollow, 50 ft. deep, course SE.
Ascend.
Spur, projects E.
Descend.
Hollow, 30 ft. deep, course E.
Ascend.
Spur, projects E.
Descend.

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS	
16.75	Hollow, 40 ft. deep, course E. Ascend.
22.75	Spur, projects E. Descend.
38.00	Hollow, 25 ft. deep, course E. Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S. 22 on W. half, S 23 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
42.00	Spur, projects SE. Descend.
54.00	Foot of descent, bears NE. and SW. Over level land in river bottom.
59.75	Enter dense undergrowth and scattering timber, bears NE. and SW.
61.70	To right bank of Green River. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 22 and 23, marked on brass cap, MC on S. half, and T 9 S R 19 E S 22 S 23 on N. half, from which A cottonwood, 6 ins. diam., bears N. 31° E., 38 lks. dist. marked T 9 S R 19 E S 23 MC BT. A cottonwood, 30 ins. diam., bears S. 89° W., 35 lks. dist., marked T 9 S R 19 E S 22 MC BT. Land, rolling and level. Soil, rocky and gravelly, 3rd. rate on 54.00 chs. balance, loam, 1st. rate. Timber, cottonwood. Undergrowth, greasewood brush and willows. Land covered with dense undergrowth on 1.95 chs.

August 8, 1910

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS

	August 9: At 8h.05m., a.m., l.m.t., I set off $40^{\circ}02'N$. on lat.arc, $16^{\circ}01'N$. on decl.arc, and determine a meridian with the solar at the cor. of secs. 14-15-22 and 23. Thence I run East, on a true line, bet. secs. 14 and 23. Ascend over rocky land, through sparse undergrowth. Spur, projects S. Descend. Wire fence bears N. and S., forming side of pasture belonging to Val Wightman. Foot of descent, bears N. and S. Over level river bottom through dense undergrowth. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4} S 14$ on N. half, $S 23$ on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Enter scattering timber, bears N. and S. To right bank of Green River. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 14 and 23, marked on brass cap, MC on E. half, T 9 S R 19 E on N. half, and S 14 S 23 on W. half, from which A cottonwood, 4 ins. diam., bears $S 44^{\circ}30'W.$, 20 lks. dist., marked T 9 S R 19 E S 23 MC BT. A cottonwood, 4 ins. diam., bears $N. 32^{\circ}30'E.$, 14 lks. dist., marked T 9 S R 19 E S 14 MC BT. Land, rolling and level. Soil, rocky, 3rd. rate on 6.56 chs. balance, loam, 1st. rate. Timber, cottonwood. Undergrowth, greasewood brush and willows. Land covered with dense undergrowth on 40.98 chs.
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SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS	
	N.0°03'E., bet. secs. 14 and 15.
4.00	Ascend over rolling land, through sparse undergrowth.
	Top of ascent, bears E. and W.
	Over level land.
14.55	Road from Green River to Pariette, bears NE. and SW.
14.90	Begin descent, bears NE. and SW.
17.00	Foot of descent, bears NE. and SW.
	Over level land, through dense undergrowth.
34.50	Begin ascent, bears E. and W. Leave heavy undergrowth.
39.60	Top of ascent, bears E. and W.
	Begin gradual ascent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 15 on W. half, S 14 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
61.00	Spur, projects SE.
	Descend.
71.75	Hollow, 50 ft. deep, course SE.
	Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 10-11-14 and 15, marked on brass cap, T 9 S S 10 in NW., R 19 E S 11 in NE., S 14 in SE. and S 15 in SW. quadrant, dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, rolling and level.
	Soil, sandy and rocky, 3rd. rate.
	No timber.
	Undergrowth, greasewood, sage brush, shad scale, and bunch grass.
	Land covered with dense undergrowth on 17.50 chs.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS	West, on a random line, bet. secs. 10 and 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 9-10-15 and 16.
	Thence I run
	N. $89^{\circ}57' E.$, on a true line,
	Bet. secs. 10 and 15.
	Over level sandy land, through sparse undergrowth.
10.00	Begin ascent over rocky land, bears NW. and SE.
14.00	Clay spur, projects SW.
	Descend.
16.00	Foot of descent, bears NE. and SW.
	Over level land.
28.00	Begin ascent, bears NW. and SE.
32.00	Spur, projects S.
	Descend.
34.00	Foot of descent, bears NE. and SW.
	Over level land.
39.00	Begin ascent, bears NW. and SE.
40.04	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10 on N. half, S 15 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
48.00	Ridge, bears NW. and SE.
	Descend.
68.00	Hollow, 50 ft. deep, course SE.
	Ascend.
80.08	The cor. of secs. 10-11-14 and 15.
	Land, rolling and level.
	Soil, rocky, clay and sandy, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush, greasewood brush and bunch grass.

SUBDIVISIONS OF T.9 S., R.19 E.

CHAINS	N. $0^{\circ}03'$ E., bet. secs. 10 and 11.
	Ascend over rolling and sandy land, through sparse undergrowth.
29.95	Intersect S.bdy. of the Uintah Indian Reservation, 35. $\frac{3}{4}$ chs., S. $59^{\circ}23'$ E., from the 1 Mile cor., which is a sandstone, 12x20x4 ins. above ground, marked and witnessed as described by the surveyor general.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of fract. secs. 10 and 11, marked on brass cap, U I R CC on N. half, and T 9 S R 19 E S 10 S 11 on S. half, dig pits, 24x18x12 ins., crosswise on each line, NW. and SE., 3 ft. and S. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.
	Land, rolling.
	Soil, sandy, 3rd. rate.
	No timber.
	Undergrowth, shad scale, sage brush and bunch grass.
	August 9: At this cor. I set off $15^{\circ}58'$ N. on decl. arc, and at Ob. 05m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}03'$ N.
	From the cor. of secs. 10-11-14 and 15, I run East, on a true line, bet. secs. 11 and 14.
	Ascend over rolling land, through sparse undergrowth.
11.00	Begin descent, bears N. and S.
33.00	Hollow, 50 ft. deep, course SW.
	Ascend.
37.00	Rocky spur, projects SW.
	Descend.
39.50	Foot of descent, bears NE. and SW.
	Over level river bottom.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 on N. half, S 14 on S. half, and raise a mound of stone, 2 ft.

SUBDIVISIONS OF T. 9 S., R. 19 E.

CHAINS	
	base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
40.69	Wire fence bears NE. and SW. forming west side of Val Wightman's pasture.
48.54	Wire fence bears NW. and SE., forming N. side of same pasture.
49.45	Road, bears N. and S.
49.75	Enter dense undergrowth and scattering timber, bears N. and S.
52.67	To right bank of Green River. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 11 and 14, marked on brass cap, MC on E. half, T 9 S R 19 E on N. half, and S 11 S 14 on W. half, from which A cottonwood, 5 ins. diam., bears S. 86° W., 52 $\frac{1}{2}$ lks. dist., marked T 9 S R 19 E S 14 MC BT. A cottonwood, 5 ins. diam., bears N. 88° W., 58 lks. dist. marked T 9 S R 19 E S 11 MC BT. Land, rolling and level. Soil, rocky and sandy on 49.75 chs., 3rd. rate. balance, loam, 1st. rate. Timber, cottonwood. Undergrowth, greasewood, sage brush, shad scale and bunch grass. Land covered with dense undergrowth on 2.92 chs.

August 9, 1910

MEANDERS, T.9 S., R.19 E.

Meanders, right bank of Green River, upstream
August 10: At 8h.05m., a.m., l.m.t., I set off $39^{\circ}59'N.$ on lat.arc, $15^{\circ}44'N.$ on decl.arc, and determine a meridian with the solar at the meander cor.of fractl.secs. 5 and 32, heretofore described on the S.bdy.of T.9 S., R.19 E. Thence I run with meanders in sec. 32.

Along rocky beach.

N. $10^{\circ}00'E.$, 5.90 chs. Bank 8 ft.high.

N. $25^{\circ}00'E.$, 7.00 " Enter dense undergrowth and scattering timber.

N. $54^{\circ}00'E.$, 10.00 "

N. $83^{\circ}30'E.$, 21.00 "

N. $55^{\circ}00'E.$, 9.00 "

East, 7.00 "

S. $85^{\circ}00'E.$, 7.00 "

N. $72^{\circ}00'E.$, 9.00 "

N. $77^{\circ}15'E.$, 12.00 " To meander cor.of fractl.secs. 32

and 33.

Land level.

Soil, rocky, 3rd.rate on 12.90 chs.

balance, loam, 1st.rate.

Timber, cottonwood.

Undergrowth, greasewood brush and willows.

Land covered with dense undergrowth on 75.00 chs.

Thence in sec.33.

Through dense undergrowth and scattering timber.

N. $33^{\circ}00'E.$, 5.50 chs. Bank 8 ft.high.

N. $24^{\circ}00'E.$, 19.00 "

N. $22^{\circ}00'E.$, 5.00 "

N. $20^{\circ}00'E.$, 12.00 "

N. $19^{\circ}00'E.$, 10.00 "

North, 2.25 " To meander cor.of fractl.secs. 28

and 33.

Land, level river bottom.

Soil, loam, 1st.rate.

Timber, cottonwood.

Undergrowth, greasewood brush and willows.

Land covered with dense undergrowth on 53.75 chs.

Thence in sec.28.

Over level bottom land through dense undergrowth and scattering timber.

MEANDERS, T.9 S., R.19 E.

N. $14^{\circ}30' E.$, 12.00 chs. Bank 8 ft. high.
N. $4^{\circ}15' E.$, 10.00 "
N. $4^{\circ}00' E.$, 12.30 "
N. $9^{\circ}15' E.$, 9.00 "
N. $10^{\circ}00' E.$, 15.00 "
N. $26^{\circ}00' E.$, 9.70 "
N. $35^{\circ}00' E.$, 10.00 "
N. $39^{\circ}00' E.$, 7.00 " To meander cor. of fract. secs. 21

Land level. and 28

Soil, loam, 1st. rate.

Timber, scattering cottonwood.

Undergrowth, greasewood brush and willows.

Land covered with dense undergrowth on 85.00 chs.

Thence in sec. 21.

Over level bottom land through dense undergrowth.

N. $68^{\circ}45' E.$, 3.60 chs., Bank 8 ft. high.
N. $63^{\circ}00' E.$, 11.70 "
S. $74^{\circ}00' E.$, 9.50 "
S. $73^{\circ}00' E.$, 5.60 "
S. $62^{\circ}00' E.$, 5.00 " To meander cor. fract. secs. 21 and

28.

Land level.

Soil, loam, 1st. rate.

No timber.

Undergrowth, greasewood brush and willows.

Land covered with dense undergrowth on 35.40 chs.

Thence in sec. 28.

Over level bottom land through dense undergrowth and scattering timber.

S. $70^{\circ}26' E.$, 5.12 chs., To meander cor. of fract. secs. 27
and 28.

Land level.

Soil, loam, 1st. rate.

Timber, cottonwood.

Undergrowth, greasewood brush and willows.

Land covered with dense undergrowth on 5.12 chs.

August 16: At this cor. I set off $15^{\circ}41' N.$ on decl. arc,
and at ph. 05 \pm ., p.m., l.m.t., observe the sun on the

MEANDERS, T.9 S., R.19 E.

meridian, the resulting lat. is $40^{\circ}01'N.$

Thence in sec. 27.

Over level bottom land, through dense undergrowth and scattering timber.

S. $75^{\circ}00'E.$ 20.00 chs. Bank 8 ft. high.

S. $75^{\circ}15'E.$ 12.00 "

S. $83^{\circ}00'E.$ 11.40 "

N. $81^{\circ}00'E.$ 7.00 "

N. $66^{\circ}00'E.$ 7.60 "

N. $68^{\circ}00'E.$ 14.00 "

N. $55^{\circ}15'E.$ 3.30 " To meander cor. of fract. secs.

22 and 27.

Land, level.

Soil, loam, 1st. rate.

Timber, cottonwood.

Undergrowth, greasewood brush and willows.

Land covered with dense undergrowth on 75.30 chs.

Thence in sec. 22.

Over level bottom land, through dense undergrowth and scattering timber.

N. $46^{\circ}00'E.$ 1.00 ch.

N. $32^{\circ}00'E.$ 3.50 chs.

N. $21^{\circ}00'E.$ 15.70 chs. to meander cor. of fract. secs.

22 and 23.

Land level.

Soil, sandy loam, 1st. rate.

Timber, cottonwood.

Undergrowth, greasewood brush and willows.

Land covered with dense undergrowth on 20.20 chs.

MEANDERS, T.9 S., R.19 E.

Thence in sec. 23.

Over level bottom land, through dense undergrowth and scattering timber.

N. $25^{\circ}00' E.$, 11.00 chs. Bank 8 ft. high.

N. $37^{\circ}15' E.$ 7.50 "

N. $45^{\circ}00' E.$ 19.00 "

N. $46^{\circ}15' E.$ 12.00 "

N. $42^{\circ}00' E.$ 9.00 "

N. $31^{\circ}00' E.$ 14.00 "

N. $29^{\circ}30' E.$ 6.10 " To meander cor. of fractl. secs.

14 and 23.

Land, level.

Soil, sandy loam, 1st. rate.

Timber, cottonwood.

Undergrowth, greasewood brush and willows.

Land covered with dense undergrowth on 78.60 chs.

Thence in sec. 14.

Over level bottom land, through dense undergrowth and scattering timber.

N. $41^{\circ}00' E.$ 3.50 chs. Bank 8 ft. high.

N. $33^{\circ}45' E.$, 10.30 " From this point cabin belonging to Val. Wightman, bears West, about 8.00 chs. dist.

N. $22^{\circ}30' E.$ 3.50 "

N. $17^{\circ}15' W.$ 12.00 "

N. $8^{\circ}30' E.$ 8.00 "

N. $18^{\circ}00' W.$ 5.00 "

N. $17^{\circ}00' W.$ 11.00 "

N. $8^{\circ}00' E.$ 10.00 "

North 9.20 "

N. $2^{\circ}30' E.$ 9.20 "

N. $23^{\circ}45' E.$ 2.80 " To meander cor. of fractl. secs.

11 and 14.

Land, level.

Soil, sandy loam, 1st. rate.

MEANDERS, T.9 S., R.19 E.

Timber, cottonwood.

Undergrowth, greasewood brush and willows.

Land covered with dense undergrowth on 84.50 chs.

Thence in sec. 11

Over level bottom land, through dense undergrowth and scattering timber.

N.25°45' E. 2.50 chs. Bank 8 ft. high.

N.72°00' W. 1.95 chs. To $\frac{1}{2}$ mile and angle cor. on S.bdy.

of the Uintah Indian Reservation,
which is a cottonwood post, 5 ins.
square, projecting 15 ins. above the
ground, marked and witnessed as
described by the surveyor general.

This post is set S.72°00' E., 14.40
chs. from the initial point of the
S.W. bdy. of the Uintah Indian Reser-
vation.

Land, level.

Soil, sandy loam, 1st. rate.

Timber, cottonwood.

Undergrowth, willow thicket.

Land covered with dense undergrowth on 4.45 chs.

August 10, 1910

G E N E R A L D E S C R I P T I O N .

This fractional township is situated on the west side of Green River and south of the S.bdy. of the the Uintah Indian Reservation and the surface is gently rolling on the central portion, level on the river bottom and in wide hollow draining to the river from the northwest and broken on the balance.

The soil is sandy loam, 1st. and 2nd. rate on the river bottom and on the gently rolling land, capable of producing crops with irrigation, while the balance is

GENERAL DESCRIPTION OF T.9 S., R.19 E.

sandy or rocky unfit for agricultural purposes.

A sparse growth of desert brush and grasses covers the higher portions of the township while the level portions are covered with a dense growth of greasewood brush and the river bottom, along the water's edge and extending about 3.00 chs. from the river bank, a dense growth of willows and a scattering growth of cottonwood timber is found.

The cottonwood timber just mentioned is the only timber in this township.

The only water in this township is in Green River which forms the east bdy. of this fractional township.

The only settler in this township is Val Wightman in S $\frac{1}{2}$ of Sec.14, his improvements consist of a log cabin 15 ft. square , corral and outbuildings also a wire fence enclosing a portion of secs.11,14 and 23.

No land under cultivation.

The road from Green River to Pariette, crosses this township and also a road leading to the Uintah Reservation from Val Wightman's cabin.

No trace could be found of the cors. of the old survey made of this township.

There are no traces of coal,oil or minerals on this fractional township.

Frank F. Roberts

U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**LIST OF NAMES.**

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

_____, Chainman.

or list of names and final oath of assistants see book "Z⁶", Chainman.

T. 10 S., R. 19 E. _____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

scribed and sworn to before me this _____
day of _____, 19 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do
only swear that, in pursuance of a contract received from _____, bearing date of the
United States Surveyor General for _____, I have well, faithfully, and truly, in my own
person, and in strict conformity with the instructions furnished by the United States Surveyor
General for _____, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of _____.
For final oath of deputy see book "Z" T. 10 S., R. 19 E.
meridian, in the _____ of _____, which are represented in the
foegoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for _____, and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.

United States Deputy Surveyor

scribed by said _____, and sworn to before me }
this _____ day of _____, 19_____. }
OOOOOO
OOOOOO

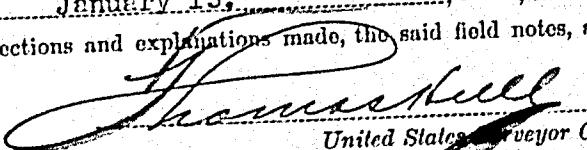
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 25, 1910.

The foregoing field notes of the survey of the subdivisional lines of Township
No. 9 South, Range No. 19 East of the Salt Lake Base and Meridian,
Utah,

executed by _____, Frank T. Roberts
under his contract No. 318, dated January 15, 1910, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.


United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____
has been correctly copied from the original notes on file in this office.

United States Surveyor General

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Page

Indications
for changes

BOOK-A-365

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" 25 "

G.W.

FILED

MAR 13 1911

[Signature]

FIELD NOTES

OF THE SURVEY OF THE

S U B D I V I S I O N S

of

TOWNSHIP NO. 8 SOUTH, RANGE NO. 19 EAST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

under his Contract No. 318, dated January 15, 1910

Survey commenced August 11, 1910

Survey completed August 11, 1910

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17 - 90

Elmore 6-32

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooper, Chainman

Thomas Callahan, "

Thomas J. Garrod, Moundman

Claude L. Heist, "

John William Simpson, Axman

Claude Hume, Flagman

For preliminary affidavits see book "C" T. 10 S., R. 14 E.

INDEX DIAGRAM.

Township 8 South, Range 19 East,

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30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page

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PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
will report the true distances to all notable objects, and the true lengths of all lines that we assist in
uring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

_____, Chainman.

_____, Chainman.

cribed and sworn to before me this _____ }
ay of _____, 19 _____ }



WE, _____ and _____
solemnly swear that we will well and truly perform the duties of moundmen in the establishment
corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

cribed and sworn to before me this _____ }
ay of _____, 19 _____ }



WE, _____ and _____
solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners
other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

cribed and sworn to before me this _____ }
ay of _____, 19 _____ }



I, _____, do solemnly swear that I will well and truly
m the duties of flagman according to instructions given me, to the best of my skill and ability, in the
y of _____

_____, Flagman.

ribed and sworn to before me this _____ }
ay of _____, 19 _____ }



SUBDIVISIONS OF T.8 S., R.19 E.

CHAINS

Survey commenced, August 11, 1910, and executed with the instrument described in book "A", of this survey.

I know from recent observations made August 3 and 4, 1910, and recorded in book "Z3", of this survey, that the instrument is in adjustment.

At 8h.05m., a.m., l.m.t., I set off $40^{\circ}04'N.$ on lat.arc, $15^{\circ}26'N.$ on decl.arc, and determine a meridian with the solar at the cor. of secs. 5-6-31 and 32, heretofore described on the S.bdy. of the Tp.

Thence I run

$N.0^{\circ}01'E.$, bet. secs. 31 and 32.

Ascend over rocky and sandy land, through sparse undergrowth.

17.90

Intersect S.bdy. of the Uintah Indian Reservation, 6.32 chs., N. $57^{\circ}06'W.$ from the 4 Mile cor. heretofore described.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of fract. secs. 31 and 32, marked on brass cap, U I R CC on N. half,

T 8 S R 19 E S 31 S 32 on S. half, dig pits, 24x18x12 ins. crosswise on each line, NW. and SE., 3 ft. and S. of post, .7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.

Land, rolling.

Soil, sandy and rocky, 3rd. rate.

No timber.

Undergrowth, shad scale, sage brush and bunch grass.

August 11, 1910

BOUNDARIES OF T. 8 S., R. 19 E.
LATITUDES, DEPARTURES AND CLOSING ERRORS.

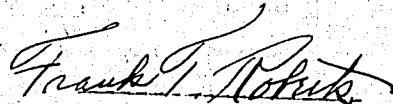
Line numbered	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
v. Uintah Res.			Chs.	Chs.	Chs.	Chs.
	N. 59°19' W.	28.20	14.39 ✓		24.25 ✓	
	N. 57°06' W.	81.42	44.22 ✓		68.36 ✓	
	N. 58°34' W.	19.79	10.32 ✓		16.89 ✓	
ly.	South .	69.02		69.02 ✓		
ly.	East ,	109.62			109.62 ✓	
ergency						0.01
	Totals		68.93 ✓	69.02 ✓	109.62	109.51 ✓
	Error in lat. and dep.			68.93	109.51	0.09 ✓ 0.11 ✓

GENERAL DESCRIPTION.

This fractional township lies on the S. side of the Uintah Indian Reservation and the surface is rolling and the soil sandy and rocky and covered with a sparse growth of desert brush and grasses.

There are no settlers, improvements, timber or water on this fractional township.

There are no indications of coal, oil or minerals found on this fractional township.



U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

owing the respective capacities in which they acted:

, Chainman.

or list of names and final oath of assistants see book "Z⁶", Chainman.

T. 10 S., R. 19 E., Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

United States Deputy Surveyor, in surveying all
se parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
monuments established, according to the instructions furnished by the United States Surveyor
eneral for _____

, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

cribed and sworn to before me this _____
day of _____, 19 _____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do
 solemnly swear that, in pursuance of a contract received from _____
 United States Surveyor General for _____, bearing date of the
 day of _____, 19_____, I have well, faithfully, and truly, in my own
 person, and in strict conformity with the instructions furnished by the United States Surveyor
 General for _____, the Manual of Surveying Instructions, and the laws of the
 United States, surveyed all those parts or portions of _____.

Final oath of deputy see book "Z" T.10 S., R. 19 E.

of the _____
 meridian, in the _____ of _____, which are represented in the
 foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
 swear that all the corners of said survey have been established and perpetuated in strict accordance with
 the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
 General for _____ and in the specific manner described in the field notes, and that
 foregoing are the original field notes of such survey.

United States Deputy Surveyor.

scribed by said _____, and sworn to before me }
 this _____ day of _____, 19_____ }

SEAL

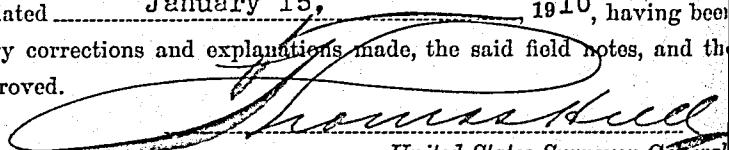
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 23, 1911

The foregoing field notes of the survey of the subdivisional lines in Township
 No. 8 South, Range No. 19 East of the Salt Lake Base and Meridian,
 Utah,

Entered by _____
 Under his contract No. 318, dated January 15, 1910, having been
 carefully examined, and the necessary corrections and explanations made, the said field notes, and the
 surveys they describe, are hereby approved.


 Frank T. Roberts
 United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____
 has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK-A-365

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" 26 "

FILED
MAR 13 1911

FIELD NOTES

OF THE SURVEY OF THE

S.U.B.D.I.V.I.S.I.O.N.S

of

TOWNSHIP NO. 10 SOUTH, RANGE NO. 19 EAST.

Of the Salt Lake Base and Meridian,

in the state of Utah.

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

under his Contract No. 318, dated January 15, 1910

Survey commenced August 12, 1910

Survey completed August 14, 1910

4-97-88 ✓

Meander ✓
6-62-33

NAMES AND DUTIES OF ASSISTANTS.

Granville A. Cooper, Chainman
Thomas Callahan, "
Thomas J. Garrod, Moundman
Claude L. Heist, "
John William Simpson, Axman
Claude Hume, Flagman

For preliminary affidavits see book "C" T. 10 S., R. 14 E.

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Volume

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INDEX DIAGRAM.

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2						
10	20	21	22	23	24	
2						
30	29	28	27	26	25	
31	32	33	34	35	36	

Meanders Page 10, 11, 12, 13, 14 and 15.

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
ground upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in
surveying, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____
day of _____, 190_____ }



WE, _____ and _____
solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 190_____ }



WE, _____ and _____
solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 190_____ }



I, _____, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the
survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 190_____ }



SUBDIVISIONS OF T.10 S., R.19 E.

CHAINS

Survey commenced August 12, 1910, and executed with the instrument described in book "A", of this survey. I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations, made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of secs. 19-24-25 and 30, heretofore described on the W.bdy. of T.10 S., R.19 E., in approximate latitude $39^{\circ}56'N.$, long. $109^{\circ}52'W.$, I set off $39^{\circ}56'N.$ on lat.arc, $15^{\circ}05'N.$ on decl.arc, and at 4h.05m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.N. of my station. At 10h.13m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions and mark a point in the line thus determined, on a peg driven in the ground, 5 chs.N. of my station.

August 12, 1910

August 13: At 7 a.m., I lay off the azimuth of Polaris, $1^{\circ}32'$ to the west and mark the meridian thus determined by cutting a small groove in the stone set last evening on which the meridian falls 0.2 ins. east of the mark determined by the solar.

At 8h.05m., a.m., l.m.t., I set off $39^{\circ}56'N.$ on lat.arc, $14^{\circ}51'N.$ on decl.arc, and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs.N. of my station; this mark falls 0.2 ins. east of the meridian established by the Polaris observation. The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0'11''$ west and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments

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AINS

of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h.30m., a.m. is N. $16^{\circ}30'W.$, the angle thus determined gives the mag.decl. $16^{\circ}30'E.$

From the sec.cor., already described, I run

. . . East, on a true line, betsecs.19 and 30.

Over level bottom land, through dense willow thicket.

To right bank of Green River.

Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for meander cor.of fract.secs.19 and 30, marked on brass cap, MC on E.half,

T.10 S R.19 E on N.half, and

S 19 S 30 on W.half, dig a pit, 36x36x12 ins. 8.ft.W.of post, and raise a mound of earth, 4 ft.base, 2 ft.high, W. of cor.

Land, level bottom land.

Soil, loam, 1st.rate.

No timber.

Undergrowth, willows.

Land covered with dense undergrowth on 9.49 chs.

From the cor.of secs.13-18-19 and 24, heretofore described, on the W.bdy.of the T., I run

East, on a true line,betsecs.18 and 19.

Ascend abruptly over rocky and mountainous land.

2.00 Spur, projects SW.

Descend.

5.00 Head of hollow, course SW.

Ascend.

8.00 Ridge, bears N.and S.

Abrupt descent.

13.00 Hollow, 100 ft.deep, course S.

Abrupt ascent.

23.00 Rocky ridge, bears N.and S.

SUBDIVISIONS OF T.10 S., R.19 E.

CHAINS	
	Abrupt descent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 on N. half, S 19 on S. half, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high. N. of cor.
	Pits impracticable.
40.40	Foot of abrupt descent, bears N. and S.
	Over level river bottom, through dense undergrowth.
48.00	Enter scattering timber.
53.22	To right bank of Green River. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 18 and 19, marked on brass cap, MC on E. half, T 10 S R 19 E on N. half, and S 18 S 19 on W. half, from which A cottonwood, 4 ins. diam., bears N. $65^{\circ}W.$, $11\frac{1}{2}$ lks. dist., marked T 10 S R 19 E S 18 MC BT. A cottonwood, 6 ins. diam., bears S. $23^{\circ}30' E.$, 14 lks. dist., marked T 10 S R 19 E S 19 MC BT. Land, mountainous and level. Soil, rocky, 3rd. and 4th. rate on 40.40 chs. balance, loam, 1st. rate. Timber, cottonwood. Undergrowth, greasewood brush and willows. Mountainous land or land covered with dense undergrowth on 53.22 chs.
	From the cor. of secs. 7-12-13 and 18, heretofore described on the W. bdy. of the T., I run East, on a true line, bet. secs. 7 and 18. Ascend over rocky and mountainous land.
4.00	Rocky ridge, bears NW. and SE. Abrupt descent.
11.75	To right bank of Green River.

SUBDIVISIONS OF T.10 S., R.19 E.

CHAINS

Set a sandstone, 15x10x5 ins., in mound of stone and earth, for meander cor. of fract. secs. 7 and 18, marked MC on E. face, with 4 grooves on S. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Pits impracticable.

Note:

On account of natural obstacles it is impossible to set an iron post, in the ground, within a radius of 10.00 chs. of this point.

Land, mountainous.

Soil, rocky, 4th. rate.

No timber.

Mountainous land on 11.75 chs.

From the cor. of secs. 1-6-7 and 12, heretofore described on the W. bdy. of the Tp., I run

East, on a true line, bet. secs. 6 and 7.

Descend abruptly over rocky and mountainous land.

1.15

Hollow, 75 ft. deep, course NE.

Ascend.

2.75

Rocky spur, projects N.

Abrupt descent.

6.00

Enter bottom of hollow, 200 ft. deep, course from NW. to E.

Descend in bottom of hollow.

19.00

Leave hollow, course from W. to NE.

Abrupt ascent.

19.50

Sandstone spur, projects N.

Abrupt descent.

20.50

Enter same hollow, 200 ft. deep, course SE.

23.60

Leave hollow.

Begin abrupt ascent over sandstone ledges, bearing NW. and SE.

23.90

To right bank of Green River on top of sandstone spur 100 ft. above the river, projecting S.

Set a sandstone, 30x14x8 ins., in mound of stone and earth

SUBDIVISIONS OF T.10 S., R.19 E.

CHAINS

for meander cor. of fract. secs. 6 and 7, marked MC on E. face, with 5 grooves on S. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Note:

On account of natural obstacles it is impossible to set an iron post in the ground, within a radius of 10.00 chs. of this point.

Land, mountainous.

Soil, 3rd. and 4th. rate.

No timber.

Mountainous land on 23.90 chs.

August 13: At this cor. I set off $14^{\circ}47'N.$ on decl. arc, and at 12h.05m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $39^{\circ}58'N.$

From the cor. of secs. 5-6 31 and 32, heretofore described on the N. bdy. of the Tp., I run

S. $0^{\circ}01'W.$, on a true line,

Bet. secs. 5 and 6.

Ascend abruptly over rocky and mountainous land.

4.00 Rocky ridge, bears NW. and SE.

Abrupt descent.

9.75 Hollow, 100 ft. deep, course NW.

Abrupt ascent.

24.00 Ridge, bears E. and W.

Abrupt descent.

29.00 Hollow, 75 ft. deep, course SW.

Abrupt ascent.

32.00 Spur, projects W.

Abrupt descent.

35.00 Hollow, 75 ft. deep, course SW.

Abrupt ascent.

40.00 On top of ridge, bears NE. and SW.

SUBDIVISIONS OF T.10 S., R.19 E.

AINS	
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 6 on W. half, S 5 on E. half, and raise a mound of stone, 2 ft. base $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
3.50	Hollow, 50 ft. deep, course SW.
	Ascend.
2.00	Spur, projects SW.
	Abrupt descent.
1.00	Same hollow, 100 ft. deep, course SE.
	Abrupt ascent.
2.00	Rocky ridge, bears NW. and SE.
	Abrupt descent.
5.25	Foot of abrupt descent, bears E. and W.
	Over level bottom land, through dense undergrowth.
6.26	To right bank of Green River. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 5 and 6, marked on brass cap, MC on S. half, and T 10 S R 19 E S 5 S 6 on N. half, dig a pit, 36x36x12 ins. 8 ft. N. of post, and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor. Land, mountainous and level. Soil, rocky, 3rd. and 4th. rate on 75.25 chs. balance, loam, 1st. rate. No timber. Undergrowth, willows. Mountain land or land covered with dense undergrowth on 76.26 chs.

SUBDIVISIONS OF T.10S., R.19 E.

CHAINS	East, on a true line,betsecs.5 and 8. From the meander cor.of fractl.secs.5 and 6, I run East, on an offset line, 3.32 chs., thence S.0°01'W., 3.74 chs. to
3.32	To right bank of Green River ,on line betsecs.5 and 8. Set an iron post,3 ft.long,1 in.dia.,26 ins.in the ground,for meander cor.of fractl.secs.5 and 8,marked on brass cap,MC on W.half, T 10 S R 19 E on N.half, and S 5 S 8 on E.half,dig a pit,36x36x12 ins..3 ft.E.of post, and raise a mound of earth,4 ft.base,2 ft.high,E.of cor. Thence I run
	East, on a true line,betsecs.5 and 8, counting from true point for cor.of secs.5-6-7 and 8. Over level bottom land,through dense undergrowth.
11.00	Leave bottom land,bears NW.and SE. Ascend abruptly over rocky and mountainous land.
19.00	Rocky spur,projects SE. Abrupt descent.
22.00	Hollow,100 ft.deep,course SE. Abrupt ascent.
29.50	Spur,projects SE. Descend.
39.80	Hollow,75 ft.deep,course S. Ascend.
40.00	Set an iron post,3 ft.long,1 in.dia.,26 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked on brass cap, $\frac{1}{4}$ S 5 on N. half,S 8 on S.half,and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,N.of cor. Pits impracticable.
45.50	Spur,projects S. Descend.
55.00	Hollow,75 ft.deep,course S. Ascend.
60.00	Ridge,bears NW.and SE.

SUBDIVISIONS OF T.10 S., R.19 E.

HAINS

0.00

Descend.

Set a sandstone, 18x18x4 ins., in mound of stone and earth for cor. of secs. 4-5-8 and 9, marked with 4 notches on E. and 5. notches on S.edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Note:

On account of natural obstacles it is impossible to set an iron post in the ground, within a radius of 10.00 chs. of this point.

Land, level and mountainous.

Soil, loam, 1st. rate on 7.68 chs.

balance, rocky, 3rd. and 4th. rate.

No timber.

Undergrowth, willows.

Mountainous land or land covered with dense undergrowth on 76.68 chs.

From the cor. of secs. 4-5-8 and 9, I run

S.0°01'W., on a true line, bet. secs. 8 and 9.

Ascend over rocky and mountainous land.

6.00

Spur, projects E.

Descend.

4.00

Foot of descent, bears NE. and SW.

Over level bottom land, through dense undergrowth.

57.59

To right bank of Green River.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 8 and 9, marked on brass cap, MC on S. half, and

T 10 S R 19 E S 8 S 9 on N. half, from which

A cottonwood, 7 ins. diam., bears N.64°W., 96 lks. dist.

marked T 10 S R 19 E S 8 MC BT.

No other trees within limits, dig a pit, 36x36x12 ins.,

8 ft. N. of post, and raise a mound of earth, 4 ft. base, 2

SUBDIVISIONS OF T.10 S., R.19 E.

CHAINS	ft. high, N. of cor. Land, mountainous and level. Soil, rocky, 3rd. and 4th. rate on 24.00 chs. balance, loam, 1st. rate. Timber, scattering cottonwood. Undergrowth, willows. Mountainous land or land covered with dense undergrowth on 37.59 chs.
20.50	From the cor. of secs. 4-5-8 and 9, I run East, on a true line, bet. secs. 4 and 9. Descend over rocky and mountainous land. Foot of descent, bears N. and S.
31.47	Over level bottom land, through dense undergrowth and scattering timber. To right bank of Green River. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for meander cor. of fract. secs. 4 and 9, marked on brass cap, MC on E. half, T 10 S R 19 E on N. half, and S 4 S 9 on W. half, from which A cottonwood, 15 ins. diam., bears N. 74°W., 44 lks. dist. marked T 10 S R 19 E S 4 MC BT. A cottonwood, 18 ins. diam., bears S. 52°30'W., 46 lks. dist., marked T 10 S R 19 E S 9 BT. Land, mountainous and level. Soil, rocky, 3rd. and 4th. rate on 20.50 chs. balance, loam, 1st. rate. Timber, cottonwood. Mountainous land or land covered with dense undergrowth on 31.47 chs.

. . . SUBDIVISIONS OF T.10 S., R.19 E.

AINS	
	From the cor.of secs.4-5-8 and 9, I run
	N.0°01'E.on a true line,betsecs.4 and 5.
	Descend over rocky and mountainous land.
00	Hollow,50 ft.deep,course E.
	Ascend.
75	Spur,projects E.
	Abrupt descent.
.20	To right bank of Green River.
	Set an iron post,3 ft.long,1 in.dia.,26 ins.in the ground,for meander cor.of fractl.secs.4 and 5,marked on brass cap,MC on N.half, and
	T 10 S R 19 E S 4 S 5 on S.half, and raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.
	No timber.
	Mountainous land on 19.20 chs.

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MEANDERS, T.10 S., R.19 E.

Meanders of the right bank of Green River, upstream
I. commence at the meander cor.of fractl.secs.25 and 30,
heretofore described on the W.bdy.of the Tp.

At this cor. August 14, I set off 39°56'N.on lat.arc,
14°32'N.on decl.arc, and at 8h.05m.,a.m.,1.m.t., determine
a meridian with the solar.

Thence I run with meanders in sec. 30.

Over level bottom land,through dense undergrowth.
N.69°30'E.,10.13 chs.,Bank 8 ft.high, to meander cor.of
fractl.secs.19 and 30.

Land,level.

Soil,loam,1st.rate.

No timber.

MEANDERS, T.10 S., R.19 E.

Undergrowth, willows.

Land, covered with dense undergrowth on 10.13 chs.

Thence in sec.19.

Over level land, through dense undergrowth and scattering timber.

N. $67^{\circ}00' E.$, 11.00 chs. Bank 8 ft. high.

N. $40^{\circ}45' E.$ 14.30 "

N. $30^{\circ}00' E.$ 6.00 "

N. $55^{\circ}30' E.$ 11.50 "

N. $49^{\circ}30' E.$ 12.00 "

N. $16^{\circ}45' E.$ 10.50 "

N. $5^{\circ}30' E.$ 8.40 "

N. $10^{\circ}00' E.$ 12.80 "

N. $8^{\circ}30' W.$ 9.20 "

N. $21^{\circ}30' W.$ 5.60 " To meander cor. of fract. secs. 18 and 19.

Land, level.

Soil, loam, 1st. rate.

Timber, cottonwood.

Undergrowth, willows.

Land, covered with dense undergrowth on 101.30 chs.

Thence in sec.18.

Over level bottom land, through dense undergrowth and scattering timber.

N. $30^{\circ}00' W.$, 8.00 chs. Bank 8 ft. high.

N. $44^{\circ}00' W.$ 18.00 " Leave level land, timber and undergrowth.

Ascend over rocky, steep, east slope.

N. $25^{\circ}30' W.$ 20.00 " Bank 20 ft. high.

N. $30^{\circ}00' W.$ 12.00 "

N. $23^{\circ}00' W.$ 12.00 "

N. $15^{\circ}30' W.$ 21.40 " Bank 25 ft. high. To meander cor. of fract. secs. 7 and 18.

MEANDERS, T.10 S., R.19 E.

Land, level and rolling.

Soil, loam, 1st. rate on 26.00 chs.

balance, rocky, 4th. rate.

Timber, cottonwood.

Undergrowth, willows.

Land covered with dense undergrowth on 26.00 chs.

Thence in sec. 7.

Over broken sandstone ledges, along steep, east slope.

N.26°00'W. 18.00 chs. Bank, 40 ft. high.

N.2°00'W., 26.00 " Bank 60 ft. high.

N.29°00'E. 40.00 Mouth of hollow, from NW.

43.30 To meander cor. of fract. secs.

6 and 7. Bank 100 ft. high.

Land, mountainous.

Soil, rocky, 4th. rate.

No timber.

Mountainous land on 87.30 chs.

August 14: At this cor. I set off 14°29'N. on decl. arc, and at 12h.05m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 39°58'N.

Thence in sec. 6.

Over sandstone ledges, along steep, south slope.

N.61°00'E. 33.40 chs. Bank, 75 ft. high.

S.74°00'E. 16.00 " Bank 60 ft. high.

S.55°00'E. 14.00 " Leave ledges, bearing NW. and SE.

Over level river bottom, through dense undergrowth.

14.00 " To meander cor. of fract. secs. 5 and 6.

Land, mountainous and level.

Soil, rocky, 4th. rate on 60.40 chs.

balance, loam, 1st. rate.

No timber.

Undergrowth, willows.

MEANDERS, T.10 S., R.19 E.

CHAINS

Mountainous land or land covered with dense undergrowth on 63.40 chs.

Thence in sec. 5

Over level bottom land, through dense undergrowth, bank 8 ft. high.

S.41°39'E., 5.00 chs. to meander cor. of fract. secs.

5 and 8.

Land, level.

Soil, loam, 1st. rate.

No timber.

Undergrowth, willows.

Land, covered with dense undergrowth on 5.00 chs.

Thence in sec. 8.

Over level bottom land, through dense undergrowth and scattering timber.

S.48°00'E., 30.00 chs. Bank 8 ft. high.

S.56°30'E. 8.00 "

S.62°45'E. 26.60 "

S.75°00'E. 10.00 "

N.83°30'E. 14.50 " To meander cor. of fract. secs.

8 and 9.

Land, level.

Soil, loam, 1st. rate.

Timber, cottonwood.

Undergrowth, willows.

Land covered with dense undergrowth on 89.10 chs.

MEANDERS, T.10 S., R.19 E.

HAINS

Thence in sec. 9.

Over level bottom land, through dense undergrowth and scattering timber.

N. $69^{\circ}15' E.$ 14.00 chs. Bank 8 ft. high.

N. $62^{\circ}00' E.$ 15.30 "

N. $32^{\circ}00' E.$ 10.50 "

N. $17^{\circ}00' E.$ 6.40 "

N. $14^{\circ}15' W.$ 10.70 " To meander cor. fract. secs. 4 and 9.
Land, level.

Soil, loam, 1st. rate.

Timber, cottonwood.

Undergrowth, willows.

Land covered with dense undergrowth on 56.90 chs.

Thence in sec. 4.

Over level bottom land, through dense undergrowth and scattering timber.

N. $61^{\circ}00' W.$ 7.80 chs. Bank 8 ft. high.

N. $45^{\circ}15' W.$ 13.00 "

N. $56^{\circ}45' W.$ 9.00 " Leave timber and undergrowth. Ascend.

N. $80^{\circ}15' W.$ 8.00 " Bank 20 ft. high. To meander cor.
fract. secs. 4 and 5.

Land, level and rolling.

Soil, loam, 1st. rate on 29.80 chs.

balance, rocky, 3rd. rate.

Timber, cottonwood.

Undergrowth, willows.

Land covered with dense undergrowth on 29.80 chs.

MEANDERS, T.10 S., R.19 E.

Thence in sec.5.

Along steep, rocky slope, over broken sandstone ledges, through scattering undergrowth.

N. $88^{\circ}00'W.$ 21.00 chs. Bank 25 ft. high.

N. $81^{\circ}00'W.$ 5.00 "

N. $76^{\circ}00'W.$ 5.00 "

N. $75^{\circ}00'W.$ 8.30 "

N. $67^{\circ}00'W.$ 4.20 "

N. $61^{\circ}45'W.$ 10.00 "

N. $54^{\circ}30'W.$ 8.60 "

N. $45^{\circ}00'W.$ 6.50 "

N. $40^{\circ}00'W.$ 5.30 "

N. $34^{\circ}00'W.$ 8.50 "

N. $24^{\circ}00'W.$ 6.00 "

N. $11^{\circ}00'W.$ 6.60 "

N. $4^{\circ}00'W.$ 6.00 " Bank 15 ft. high.

N. $5^{\circ}00'E.$ 11.00 " To meander cor. fract. secs. 5 and 32, heretofore described on the N.bdy. of the Tp.

Land, mountainous.

Soil, rocky, 4th. rate.

No timber.

Undergrowth, scattering oak and willow brush.

Mountainous land on 112.00 chs.

August 14, 1910

BOUNDARIES OF T.10 S., R.19 E.
Latitudes, departures and closing errors.

True Bearing	Distance	Latitudes		Departures	
		N.	S.	E.	W.
Chs.	Chs.	Chs.	Chs.	Chs.	Chs.
N. 69°30'E.	10.15	3.55		9.49	
N. 67°00'E.	11.00	4.30		10.13	
N. 40°45'E.	14.30	10.83		9.33	
N. 30°00'E.	6.00	5.20		3.00	
N. 54°30'E.	11.50	6.51		6.48	
N. 49°30'E.	12.00	7.79		9.12	
N. 16°45'E.	10.50	10.05		3.03	
N. 5°30'E.	8.40	8.36		0.80	
N. 10°00'E.	12.80	12.61		2.22	
N. 8°30'W.	9.20	9.10			1.36
N. 21°30'W.	5.60	5.21			2.05
N. 39°00'W.	8.00	6.93			4.00
N. 44°00'W.	18.00	12.95			12.50
N. 25°30'W.	20.00	18.05			8.61
N. 30°00'W.	12.00	10.39			6.00
N. 23°00'W.	12.00	11.05			4.69
N. 15°30'W.	21.40	20.62			5.72
N. 26°00'W.	18.00	16.18			7.89
N. 2°00'W.	26.00	25.98			0.91
N. 29°00'E.	43.30	37.87			
N. 61°00'E.	33.40	16.19			
S. 74°00'E.	16.00		4.41		15.38
S. 55°00'E.	14.00		8.03		11.47
S. 41°39'E.	5.00		3.74		3.32
S. 48°00'E.	30.00		20.07		22.29
S. 56°30'E.	8.00		4.42		6.67
S. 62°45'E.	26.60		12.18		23.65
S. 75°00'E.	10.00		2.59		9.66
N. 83°30'E.	14.50	1.64			14.41
N. 69°15'E.	14.00	4.96			13.09
N. 62°00'E.	16.50	7.18			13.51
N. 32°00'E.	10.50	8.90			5.56
N. 17°00'E.	6.40	6.12			1.87
N. 14°15'W.	10.70	10.37			2.63
N. 61°00'W.	7.80	3.78			6.82
N. 45°15'W.	13.00	9.15			9.23
N. 56°45'W.	9.00	4.93			7.53
N. 30°15'W.	8.00	1.35			7.88
N. 88°00'W.	21.00	0.73			20.99
N. 81°00'W.	5.00	0.78			4.94
N. 76°00'W.	5.00	1.21			4.85
N. 74°00'W.	8.30	2.15			8.02
N. 67°00'W.	4.20	1.64			3.87
N. 61°45'W.	10.00	4.73			8.81
N. 56°30'W.	8.60	4.99			7.00
N. 45°00'W.	6.50	4.60			4.60
N. 40°00'W.	6.30	4.06			3.41
N. 34°00'W.	8.50	7.05			4.75
N. 24°00'W.	6.00	5.48			2.84
N. 11°00'W.	6.60	6.48			1.26
N. 4°00'W.	6.00	5.99			0.42
N. 5°00'E.	11.00	10.96			
Total		378.95	55.44	248.64	163.18

BOUNDARIES OF T.10 S., R.19 E.
Latitudes, departures and closing errors.

Line designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
rot. Forward			Chs.	Chs.	Chs.	Chs.
				378.95	55.44	248.64
orth. Bdy.	West,	85.62				163.28
est Bdy.	South	323.55		323.55		85.62
nvergency						0.04
	Totals		378.95	378.99	248.64	248.84
				378.95		248.64
	Error in lat. and dep.			0.04		0.20

GENERAL DESCRIPTION.

This fractional township lies on the west side of Green River and the surface is rocky and mountainous with the exception of the bottoms along Green River, the soil of which is a rich loam and capable of producing crops with irrigation.

The mountainous portion of the township is covered with a sparse growth of desert brush and the bottom land is covered with a dense growth of greasewood brush and willows and a scattering growth of cottonwood timber along the river bank.

The only water in this township is in Green River which forms the east boundary of the township.

No trace could be found of the old survey made in this township.

There are no settlers or improvements in this township. There are no indications of coal, oil or minerals found in this township.

Frank J. Roberts
U.S. Deputy Surveyor

Note:

" There being no notary public or other officer authorized to administer oaths, within a reasonable

T.10 S., R.19 E.

distance at the beginning or ending of this survey,
in order to save time and expense, I administer the
preliminary and final oaths, for retracements, resurveys
and survey, on Contract N.318, myself.

Frank T. Roberts
U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank T. Roberts,
 ..., United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of the survey of the Subdivisions
 S. 10. S., Rs. 14, 15, 16, 17, 18 & 19 E., Ts. 9 S., Rs. 15, 16, 17, 18 & 19 E., Ts. 8 S.,
 5, 16, 17, 18 and 19 E., S.L.B. & M., in the state of Utah.
 giving the respective capacities in which they acted:

Granville A. Cooper, Chainman.
Thomas Callahan, Chainman.
Thomas J. Garrod, Moundman.
Claude L. Heist, Moundman.
John William Simpson, Axman.
Claude Hume, Axman.
Claude Hume, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank T. Roberts,
 ..., United States Deputy Surveyor, in surveying all
 parts or portions of the Subdivisions of Ts. 10. S., Rs. 14, 15, 16, 17, 18 & 19 E.,
 9 S., Rs. 15, 16, 17, 18 & 19 E., and Ts. 8 S., Rs. 15, 16, 17, 18 and 19 E.,
 of the Salt Lake
 base and meridian, in the state of Utah, which are represented
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for Utah.

Granville A. Cooper, Chainman.
Thomas Callahan, Chainman.
Thomas J. Garrod, Moundman.
Claude L. Heist, Moundman.
John William Simpson, Axman.
Claude Hume, Flagman.

scribed and sworn to before me this 14th.
 day of August, 1910 } }

SEAL

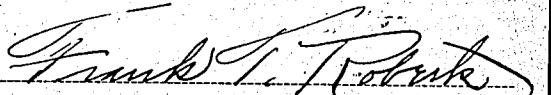
Frank T. Roberts

U.S. Deputy Surveyor

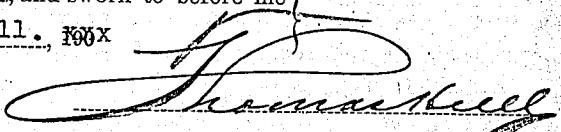
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Frank T. Roberts, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull, United States Surveyor General for Utah, bearing date of the 15th, day of January, 1910, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Subdivisions of Ts. 10 S., Rs. 14 16, 17, 18 and 19 E., Ts. 9 S., Rs. 15, 16, 17, 18 and 19 E., Ts. 8 S., Rs. 15 17, 18 and 19 E.,

of the Salt Lake Base and meridian in the state of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.


Frank T. Roberts
United States Deputy Surveyor

Subscribed by said Frank T. Roberts, and sworn to before me this 19th day of May, 1911.


Thomas Hull
U.S. Surveyor-General

for Utah.

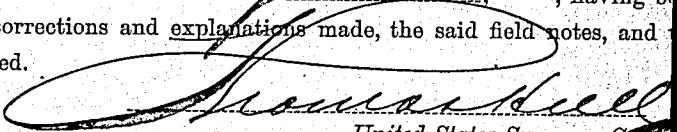
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 23, 1911

The foregoing field notes of the survey of the subdivisional lines of Township No. 10 South, Range No. 19 East of the Salt Lake Base and Meridian, Utah.

Executed by Frank T. Roberts under his contract No. 318, dated January 15, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.


Thomas Hull
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in , has been correctly copied from the original notes on file in this office.